

Gencore version 4.5									
Copyright (c) 1993 - 2000 Compugen Ltd.									
M nucleic - nucleic search, using sw model									
run on:									
August 25, 2001, 07:00:32 ; Search time 80.13 Seconds									
(Without alignments)									
2348.375 Million cell updates/sec									
title: sequence;									
US-09-016-869A-1									
1 CGGAGGGGAGAACAGAC.....CATTCATTCACACAAAAA 994									
IDENTITY.NUC									
GapOp 10.0 , GapExt 1.0									
324549 seqs, 94655562 residues									
Total number of hits satisfying chosen parameters:									
Minimum DB seq length: 0									
Maximum DB seq length: 2000000000									
Post-processing: Minimum Match 0%									
Maximum Match 100%									
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.									
SUMMARIES									
result									
No.									
Score									
Match									
Query									
Length									
DB									
ID									
Description									
RESULT									
1									
US-08-627-610-1									
; Sequence 1, Application US/08627610									
; Patent No. 5919997									
GENERAL INFORMATION:									
APPLICANT: Beach, David H.									
APPLICANT: Serrano, Manuel A.									
TITLE OF INVENTION: transgenic Animals Having Modified Cell-Cycle									
NUMBER OF INVENTIONS: Regulation									
NUMBER OF SEQUENCES: 13									
CORRESPONDENCE ADDRESS:									
ADDRESSEE: LAHIVE & COCKFIELD									
STREET: 60 State Street									
CITY: Boston									
STATE: MA									
COUNTRY: USA									
ZIP: 02109									
COMPUTER READABLE FORM:									
MEDIUM TYPE: Floppy disk									
COMPUTER: IBM PC compatible									
OPERATING SYSTEM: PC DOS/MS-DOS									
SOFTWARE: ASCII(text)									
CURRENT APPLICATION DATA:									
APPLICATION NUMBER: US/08/627,610									
FILING DATE: 04-APR-1996									
CLASSIFICATION: 800									
ATTORNEY/AGENT INFORMATION:									
NAME: Vincent, Matthew P.									
REGISTRATION NUMBER: 36,709									
REFERENCE/DOCKET NUMBER: CSI-001CP6									
TELECOMMUNICATION INFORMATION:									
TELEPHONE: (617) 227-7400									
TELEFAX: (617) 227-5941									
SEQUENCE CHARACTERISTICS:									
LENGTH: 994 base pairs									
TYPE: nucleic acid									
STRANDEDNESS: both									
TOPOLOGY: linear									
MOLECULE TYPE: cDNA									
FEATURE: NAME/KEY: CDS									
LOCATION: 41..508									
Sequence 3, Appli									
Sequence 36, Appli									
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Sequence 13, Appli									

APPLICATION NUMBER: US 08/306,511
 FILING DATE: 14-SEPTEMBER-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/248,812
 FILING DATE: 25-MAY-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,371
 FILING DATE: 14-APRIL-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/154,915
 FILING DATE: 18-NOVEMBER-1993
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/991,997
 FILING DATE: 17-DECEMBER-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/963,308
 FILING DATE: 16-OCTOBER-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Vincent, Matthew P.
 REGISTRATION NUMBER: 35,709
 REFERENCE/DOCKET NUMBER: MTV-071.09
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 832-1000
 TELEX: (617) 832-7000
 FAX: (617) 832-1000
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 994 base pairs
 STRANDEDNESS: both
 TOPOLOGY: linear
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 41..508
 US-08-893-274-1
 Query Match 100.0%; Score 994; DB 2; Length 994;
 Best Local Similarity 100.0%; Pred. No. 8e-225;
 Matches 994; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 ;
 GENERAL INFORMATION:
 Patent No. 596821
 APPLICANT: Beach, David H.
 APPLICANT: Demerick, Douglas J.
 APPLICANT: Serrano, Manuel
 APPLICANT: Hannan, Gregory J.
 TITLE OF INVENTION: Cell-Cycle Regulatory Proteins,
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Foley, Hoag & Eliot LLP
 STREET: One Post office square
 CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02109
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: ASCII(text)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US 08/893,274
 FILING DATE: 15-JULY-1997
 CLASSIFICATION: 800
 PRIOR APPLICATION DATA:
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 Db 421 ACGTACTCTGGCGCGCTCGGGGGCGACAGCGAGTAACCGCCGATAGTC 430
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 QY 841 CAGCCTCGGAAGCTGAGCTCATGACAAGCATTTGTAAGGGAGCTCAGGG 900
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 QY 961 AATAAAATTTTCATTCATCAAAAAA 994
 Db 961 AATAAAATTTTCATTCATCAAAAAA 994
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 US-08-893-274-1
 Sequence 1, Application US/08893274
 ;
 GENERAL INFORMATION:
 Patent No. 596821
 APPLICANT: Beach, David H.
 APPLICANT: Demerick, Douglas J.
 APPLICANT: Serrano, Manuel
 APPLICANT: Hannan, Gregory J.
 TITLE OF INVENTION: Cell-Cycle Regulatory Proteins,
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Foley, Hoag & Eliot LLP
 STREET: One Post office square
 CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02109
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: ASCII(text)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US 08/893,274
 FILING DATE: 15-JULY-1997
 CLASSIFICATION: 800
 PRIOR APPLICATION DATA:
 361 CGATGCCCTGGGCGCTGCGCGTGGACCTGGCTGAGCTGGCGCATCGAAGTCG 420
 QY 361 CGATGCCCTGGGCGCTGCGCGTGGACCTGGCTGAGCTGGCGCATCGAAGTCG 420
 Db 301 GGAGGCTCTGAGCTGGCTGCGCGTGGACCTGGCTGAGCTGGCGCATCGAAGTCG 360
 QY 361 CGATGCCCTGGGCGCTGCGCGTGGACCTGGCTGAGCTGGCGCATCGAAGTCG 420
 Db 361 CGATGCCCTGGGCGCTGCGCGTGGACCTGGCTGAGCTGGCGCATCGAAGTCG 420
 QY 421 ACGTACTCTGGCGCGCTGCGCGTGGACCTGGCTGAGCTGGCGCATCGAAGTCG 480
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; Sequence 1, Application PC/TUS9504636
; GENERAL INFORMATION:
; APPLICANT: Cell-Cycle Regulatory Proteins, and Uses
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
; TITLE OF INVENTION: Related Thereto
; NUMBER OF SEQUENCES: 10
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/04636
; FILING DATE: 29-NOV-1994
; CLASSIFICATION:
; APPLICATION NUMBER: US 08/346,147
; FILING DATE: 25-MAY-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/306,511
; FILING DATE: 14-SEP-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/248,812
; FILING DATE: 25-MAY-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/227,371
; FILING DATE: 14-APR-1994
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 994 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 41..508
; PCT-US95-04636-1

Query Match          100.0%; Score 994; DB 5; Length 994;
Best Local Similarity 100.0%; Pred. No. 8e-225;
Matches 994; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; RESULT 8
; US-08-910-722-1
; Sequence 1, Application US/08910722
; Patent No. 625187
; GENERAL INFORMATION:
; APPLICANT: Jin, Xiaomei
; ADDRESS: Roth, Jack A.
; TITLE OF INVENTION: P16 EXPRESSION CONSTRUCTS AND THEIR
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States of America
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/910,722
; FILING DATE:
; CLASSIFICATION:
; APPLICATION NUMBER: 08/502,881
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Highlander, Steven L.
; REGISTRATION NUMBER: 37,642
; REFERENCE/DOCKET NUMBER: INEN:016/HYL

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HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: 151
 OTHER INFORMATION: /note= "Splice site acceptor."
 NAME/KEY: misc_feature
 LOCATION: 458
 OTHER INFORMATION: /note= "Splice site acceptor."
 S-08-474-177-36

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Conservative	0;	Patent No.	5733027	Gaps	0;	State:	DC
		GENERAL INFORMATION:				COUNTRY:	USA
		APPLICANT:	Kamb, Alexander			ZIP:	20005
		TITLE OF INVENTION:	MTSIEI-Beta GENE			COMPUTER READABLE FORM:	
		NUMBER OF SEQUENCES:	36			MEDIUM TYPE:	Floppy disk
		CORRESPONDENCE ADDRESS:				COMPUTER:	IBM PC compatible
		STREET:	1201 New York Avenue, Suite 1000			OPERATING SYSTEM:	PC-DOS/MS-DOS
		CITY:	Washington			SOFTWARE:	Patent in Release #1.0, Version #1.30
						CURRENT APPLICATION DATA:	
						APPLICATION NUMBER:	US/08/487,033
						FILED DATE:	07-JUN-1995
						CLASSIFICATION:	435
						PRIOR APPLICATION:	
						APPLICATION NUMBER:	PCT/US95/03316
						FILED DATE:	17-MAR-1995
						PRIOR APPLICATION:	
						APPLICATION NUMBER:	US 08/251,938
						FILED DATE:	01-JUN-1994
						PRIOR APPLICATION DATA:	
						APPLICATION NUMBER:	US 08/215,087
						FILED DATE:	18-MAR-1994
						PRIOR APPLICATION DATA:	
						APPLICATION NUMBER:	US 08/214,582
						FILED DATE:	18-MAR-1994
						PRIOR APPLICATION DATA:	
						APPLICATION NUMBER:	US 08/227,369
						FILED DATE:	14-APR-1994
						PRIOR APPLICATION DATA:	
						APPLICATION NUMBER:	US 08/214,582
						FILED DATE:	18-MAR-1994
						ATTORNEY/AGENT INFORMATION:	
						NAME:	Ihsen, Jeffrey L.
						REGISTRATION NUMBER:	20, 957
						REFERENCE/DOCKET NUMBER:	24884-10934B-C
						TELECOMMUNICATION INFORMATION:	
						TELEPHONE:	202-962-4810
						TELEFAX:	202-962-8300
						INFORMATION FOR SEQ ID NO:	36:
						SEQUENCE CHARACTERISTICS:	
						LENGTH:	947 base pairs
						REFERENCE/DOCKET NUMBER:	24884-10934B-C
						TYPE:	nucleic acid
						STRANDEDNESS:	double
						TOPOLOGY:	linear
						MOLECULE TYPE:	cdna
						HYPOTHETICAL:	NO
						ANTI-SENSE:	NO
						ORIGINAL SOURCE:	
						ORGANISM:	Homo sapiens
						FEATURE:	
						NAME/KEY:	misc_feature

LOCATION: 151
 OTHER INFORMATION: /note= "Splice site acceptor."
 NAME/KEY: misc_feature
 LOCATION: 458
 OTHER INFORMATION: /note= "Splice site acceptor."
 ; US-08-487-033-36

Query Match		Best Local Similarity		Score		DB 1;		Length		947;	
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945;		Conservative		0;		MisMatches		2;		Indices	
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										Gaps	
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US-08-480-810-36
 Sequence 36, Application US/08480810
 Patent No. 5801236

GENERAL INFORMATION:
 APPLICANT: Kamb, Alexander
 TITLE OF INVENTION: MSI GENE
 NUMBER OF SEQUENCES: 36
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 STREET: 1201 New York Avenue, Suite 1000
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US 08/480,810
 FILING DATE: 07-JUN-1995

CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: PCIN/US95/03316
 FILING DATE: 17-MAR-1995

PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/251,938
 FILING DATE: 01-JUN-1994

PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,087
 FILING DATE: 18-MAR-1994

PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/214,582
 FILING DATE: 18-MAR-1994

ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28,957
 REFERENCE/DOCKET NUMBER: 24884-109348
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-4810
 TELEFAX: 202-962-8300

INFORMATION FOR SEQ ID NO: 36:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 947 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 HYPOTHETICAL: NO

NAME/KEY: misc_feature
 LOCATION: 151
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: 458

OTHER INFORMATION: /note= "Splice site acceptor."
 NAME/KEY: misc_feature
 LOCATION: 458

NAME/KEY: misc_feature
 LOCATION: 151
 OTHER INFORMATION: /note= "Splice site acceptor."
 NAME/KEY: misc_feature
 LOCATION: 940

NAME/KEY: misc_feature
 LOCATION: 900

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 DB 841 GAACTAGGGAGCTAGGGGGTACTGGCTCTTGAGTACAGCTGAGAATGGC 900
 QY 941 AGAACCAAAGCTCAAATAAAATAATATTTCATTCATTCACTC 987
 DB 901 AGAACCAAAGCTCAAATAAAATAATATTTCATTCATTCACTC 947
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 US-08-486-047-36
 ; Sequence 36, Application US/08486047
 ; Patent No. 599405
 ; GENERAL INFORMATION:
 ; APPLICANT: Kam, Alexander
 ; TITLE OF INVENTION: MIS2 GENE
 ; NUMBER OF SEQUENCES: 36
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 ; STREET: 1201 New York Avenue, Suite 1000
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20005
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: FLOPPY disk

OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/486,047
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/03316
 FILING DATE: 17-MAR-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/251,938
 FILING DATE: 01-JUN-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,086
 FILING DATE: 18-MAR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 FILING DATE: 14-APR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/214,582
 FILING DATE: 18-MAR-1994
 TELEPHONE: 202-962-4810
 TELEFAX: 202-962-8100
 INFORMATION FOR SEQ ID NO: 36:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 947 base pairs
 REFERENCE/DOCKET NUMBER: 24884-109348-B
 TELECOMMUNICATION INFORMATION:
 FILING DATE: 18-MAR-1994
 NAME: Ihnen, Jeffrey L.
 FILING DATE: 14-APR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/214,582
 FILING DATE: 18-MAR-1994
 TELEPHONE: 202-962-4810
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 STRANDEDNESS: double
 TOPOLOGY: linear
 ORGANISM: Homo sapiens
 FEATURE: misc_feature
 NAME/KEY: misc_feature
 LOCATION: 151
 OTHER INFORMATION:
 FEATURE: /note= "Splice site acceptor."
 NAME/KEY: misc_feature
 LOCATION: 458
 OTHER INFORMATION: /note= "Splice site acceptor."
 US-08-486-047-36

Query Match 94,9%; Score 943,8; DB 2; Length 947;
 Best Local Similarity 99,8%; Pred. No. 4,9e-21,3;
 Matches 945; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 41 ATGGATCGGCCGCGGGGGAGAGCATGGAGCTTGCTACTGGCTGGCACGCCGCC 100
 DB 1 ATGGACCGGGGGGGAGAGCATGGAGCTTGCTACTGGCTGGCACGCCGCC 60
 QY 101 GCCCGGGGTGGTAGGGAGGTGGCGGCTGCTGGAGGGGGGGCTGGCACGCCGCC 160
 DB 61 GCCCGGGGTGGTAGGGAGGTGGCGGCTGCTGGAGGGGGGGCTGGCACGCC 120
 QY 161 CGAATGTTAGGGAGGGCGATCCAGTCATGATGGGAGCCGCGGAGTGGC 220
 DB 121 CGAATGTTAGGGAGGGCGATCCAGTCATGATGGGAGCCGCGGAGTGGC 180
 QY 221 GAGCTGGCTCTGGCAAGGGGGAACTCGGCCACCCGCACTCTCACCGA 280

DB 181 GAGCTGGCTCTGGCAAGGGGGAACTCGGCCACCCGCACTCTCACCGA 240

Search completed: August 25, 2001, 08:00:02
Job time: 3570 sec



GenCore version 4.5
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OM protein - protein search, using sw model

Run on: August 24, 2001, 17:45:14 ; Search time 25.02 Seconds
(without alignments)

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%, Maximum Match 10%
Listing first 45 summaries

Database : Issued_Patents_AA;*

1: /cgn2_6/ptodata/2/iaa/5A_COMB_pep;*
2: /cgn2_6/ptodata/2/iaa/5B_COMB_pep;*
3: /cgn2_6/ptodata/2/iaa/6A_COMB_pep;*
4: /cgn2_6/ptodata/2/iaa/6B_COMB_pep;*
5: /cgn2_6/ptodata/2/iaa/PICTUS_COMB_pep;*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep;*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SEQUENCE ALIGNMENT

Query Match 100.0%; Score 800; DB 2; Length 156;
Best Local Similarity 100.0%; Pred. No. 1.6e-87;
Matches 156; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDPAGSSMEPSADWLATAARGRVEEVRALEAVLPNAPNSYGRPRFOVMMGSRVA 60
Dd 1 MDPAGSSMEPSADWLATAARGRVEEVRALEAVLPNAPNSYGRPRFOVMMGSRVA 60

RESULTS

RESULT 1
US-09-016-869a-2
Sequence 2, Application US/08627610
; Patent No. 5919997
; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Serrano, Manuel
; APPLICANT: Depino, Ronald A.
; TITLE OF INVENTION: Transgenic Animals Having Modified Cell-Cycle
; TITLE OF INVENTION: Regulation
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LATIVIVE & COCKFIELD
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/627,610
; FILING DATE: 04-APR-1996
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: CSI-001CP6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 156 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

SEQUENCE ALIGNMENT

Query Match 100.0%; Score 800; DB 2; Length 156;
Best Local Similarity 100.0%; Pred. No. 1.6e-87;
Matches 156; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDPAGSSMEPSADWLATAARGRVEEVRALEAVLPNAPNSYGRPRFOVMMGSRVA 60
Dd 1 MDPAGSSMEPSADWLATAARGRVEEVRALEAVLPNAPNSYGRPRFOVMMGSRVA 60

SEQUENCE ALIGNMENT

Query Match 100.0%; Score 800; DB 2; Length 156;
Best Local Similarity 100.0%; Pred. No. 1.6e-87;
Matches 156; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDPAGSSMEPSADWLATAARGRVEEVRALEAVLPNAPNSYGRPRFOVMMGSRVA 60
Dd 1 MDPAGSSMEPSADWLATAARGRVEEVRALEAVLPNAPNSYGRPRFOVMMGSRVA 60

RESULT 2

US-08-306-511A-2
Sequence 2, Application US/08306511A
Patent No. 5962316

GENERAL INFORMATION:

APPLICANT: Beach, David H.
APPLICANT: Demetrick, Douglas J.
APPLICANT: Serrano, Manuel

APPLICANT: Hannon, Gregory J.
TITLE OF INVENTION: Cell-Cycle Regulatory Proteins,
Title of Invention: and uses Related Thereto

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:

ADDRESSEE: FOLET, HOAG & ELIOT LLP
STREET: One Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII(text)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/306,511A
FILING DATE: 14-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: CSI-001CP2
TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-5941
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 156 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-306-511A-2

Query Match 100.0%; Score: 800; DB 2; Length 156;
Best Local Similarity 100.0%; Pred. No. 1 6e-87; Indels 0; Gaps 0;
Matches 156; Conservative 0; Mismatches 0; Gaps 0;

Qy 1 MDPAGSSMEPSADLWATAAARGRVEEVRALEAVALPNAPNSYGRPPQIOMMGSARVA 60
Qy 1 MDPAGSSMEPSADLWATAAARGRVEEVRALEAVALPNAPNSYGRPPQIOMMGSARVA 60
Db 1 ELLIHLGAEPNCADPATLTPVDAAREGFLDTLVLRAGARLDYRDANGRLPVDAEE 120
Db 61 ELLIHLGAEPNCADPATLTPVDAAREGFLDTLVLRAGARLDYRDANGRLPVDAEE 120
Qy 121 LGHRDVARVYRLRAAGGTGSGNHARIDAEGPSIDP 156
Db 121 LGHRDVARVYRLRAAGGTGSGNHARIDAEGPSIDP 156

RESULT 3

US-08-893-274-2
Sequence 2, Application US/08893274

PATENT NO. 5968821

GENERAL INFORMATION:

APPLICANT: Beach, David H.
APPLICANT: Demetrick, Douglas J.
APPLICANT: Serrano, Manuel

APPLICANT: Hannon, Gregory J.
TITLE OF INVENTION: Cell-Cycle Regulatory Proteins,
Title of Invention: and uses Related Thereto

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:

ADDRESSEE: FOLET, HOAG & ELIOT LLP
STREET: One Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII(text)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/893,274
FILING DATE: 15-JUL-1997
CLASSIFICATION: 800

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/248,812
FILING DATE: 25-MAY-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/306,511
FILING DATE: 14-SEPTEMBER-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/154,915
FILING DATE: 18-NOVEMBER-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/991,997
FILING DATE: 17-DECEMBER-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/963,308
FILING DATE: 16-OCTOBER-1992

ATTORNEY/AGENT INFORMATION:

NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MIV-071.09
TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 832-7000
TELEFAX: (617) 832-7000
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 156 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-893-274-2

Query Match 100.0%; Score: 800; DB 2; Length 156;
Best Local Similarity 100.0%; Pred. No. 1 6e-87; Indels 0; Gaps 0;
Matches 156; Conservative 0; Mismatches 0; Gaps 0;

Qy 1 MDPAGSSMEPSADLWATAAARGRVEEVRALEAVALPNAPNSYGRPPQIOMMGSARVA 60
Qy 1 MDPAGSSMEPSADLWATAAARGRVEEVRALEAVALPNAPNSYGRPPQIOMMGSARVA 60
Db 61 ELLIHLGAEPNCADPATLTPVDAAREGFLDTLVLRAGARLDYRDANGRLPVDAEE 120
Db 61 ELLIHLGAEPNCADPATLTPVDAAREGFLDTLVLRAGARLDYRDANGRLPVDAEE 120
Qy 121 LGHRDVARVYRLRAAGGTGSGNHARIDAEGPSIDP 156
Db 121 LGHRDVARVYRLRAAGGTGSGNHARIDAEGPSIDP 156

RESULT 3

US-08-893-274-2
Sequence 2, Application US/08893274

RESULT	4	US-08-581-918A-2	Db	1	MDPAAGSSIMPSADNLATAAARGVVEVALLVALNAPNSYGRPIQW
Sequence	2,	Application US/08581918A	Qy	61	ELLINGAEPNCADATLTPVHDAAREGFLDTLVVLRGARLDVRAWGSE
Patent No.	6043030		Db	61	ELLINGAEPNCADATLTPVHDAAREGFLDTLVVLRGARLDVRAWGSE
GENERAL INFORMATION:			Qy	1211	LGHDRDVARYLRAAGGTRESNHARIDAAGPSDIPD 156
APPLICANT:	Beach, David H.		Db	1211	LGHDRDVARYLRAAGGTRESNHARIDAAGPSDIPD 156
APPLICANT:	Demetrick, Douglas J.				
APPLICANT:	Serrano, Manuel				
APPLICANT:	Hannon, Gregory J.				
TITLE OF INVENTION:	Cell-Cycle Regulatory Proteins, and Uses				
TITLE OF INVENTION:	Related Thereto				
NUMBER OF SEQUENCES:	39				
CORRESPONDENCE ADDRESS:					
ADDRESSEE:	Foley, Hoag & Eliot				
STREET:	One Post Office Square				
CITY:	Boston				
STATE:	MA				
COUNTRY:	USA				
ZIP:	02109				
COMPUTER READABLE FORM:					
MEDIUM TYPE:	Floppy disk				
COMPUTER:	IBM PC compatible				
OPERATING SYSTEM:	PC-DOS/MS-DOS				
SOFTWARE:	WordPad				
CURRENT APPLICATION DATA:					
APPLICATION NUMBER:	US/08/581, 918A				
FILING DATE:	02-JAN-1996				
CLASSIFICATION:	435				
PRIOR APPLICATION DATA:					
APPLICATION NUMBER:	US 08/497, 214				
FILING DATE:	30-JUN-1995				
PRIOR APPLICATION DATA:					
APPLICATION NUMBER:	US 08/346, 147				
FILING DATE:	29-NOV-1994				
PRIOR APPLICATION DATA:					
APPLICATION NUMBER:	US 08/306, 511				
FILING DATE:	14-SEP-1994				
PRIOR APPLICATION DATA:					
APPLICATION NUMBER:	US 08/248, 812				
FILING DATE:	25-MAY-1994				
PRIOR APPLICATION DATA:					
APPLICATION NUMBER:	US 08/227, 371				
FILING DATE:	14-APR-1994				
PRIOR APPLICATION DATA:					
APPLICATION NUMBER:	US 08/154, 915				
FILING DATE:	18-NOV-1993				
PRIOR APPLICATION DATA:					
APPLICATION NUMBER:	US 07/991, 997				
FILING DATE:	17-DEC-1992				
ATTORNEY/AGENT INFORMATION:					
NAME:	Vincent, Matthew P.				
REGISTRATION NUMBER:	36, 09				
REGISTRATION NUMBER:	36, 09				
REFERENCE/DOCKET NUMBER:	MIV-071-06				
TELECOMMUNICATION INFORMATION:					
TELEPHONE:	(617) 832-7000				
TELEFAX:	(617) 832-1299				
TYPE:	amino acid				
TOPOLOGY:	linear				
MOLECULE TYPE:	protein				
US-08-581-918A-2					
SEQUENCE CHARACTERISTICS:					
LENGTH:	156 amino acids				
INFO:					
SEQUENCE CHARACTERISTICS:					
LENGTH:	156 amino acids				
TYPE:	amino acid				

query Match 100.0%; Score 800; DB 3; Length 156;

best local similarity 100.0%; pred. No. 1. be-8; mismatch 0; trades 0; gains 0.

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1 MDPAAGSSMPEPSADWLATAAARGRVEVRLALLEAVLPNAPNSYGRRIPIQVMMMGSARVA 60

Matches 156; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Query Match 100.0%; Score 800; DB 4; Length 156;
 Best Local Similarity 100.0%; Pred. No. 1.6e-87;
 Matches 156; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDPAAGSSMPEPSADWLTAAARGRVEEVRALEAVALPNAPNSYGRPIQVMMGSARVA 60
 Db 1 MDPAAGSSMPEPSADWLTAAARGRVEEVRALEAVALPNAPNSYGRPIQVMMGSARVA 60

Qy 61 ELLLHGAEPNCADPATLTPVHDAAREGFLDTLVLRAGARDVDAWRGLPVLDAEE 120
 Db 61 ELLLHGAEPNCADPATLTPVHDAAREGFLDTLVLRAGARDVDAWRGLPVLDAEE 120

Qy 121 LGHRDVARVRLRAAGGTGTRGSNHARIDAEGPSDID 156
 Db 121 LGHRDVARVRLRAAGGTGTRGSNHARIDAEGPSDID 156

RESULT 6
 US-08-822-936-2

Sequence 2, Application US/08822936

PATENT NO. 6242575

GENERAL INFORMATION:

APPLICANT: Massague, Joan
 ROBERTS, James M.
 APPLICANT: Koff, Andrew
 APPLICANT: Polya, Kornelia

TITLE OF INVENTION: Isolated P27 Protein, Nucleic Acid
 TITLE OF INVENTION: Molecules Encoding Same, Methods of Identifying Agents Acting
 TITLE OF INVENTION: and Uses of Said Agents

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:

ADDRESSEE: Foley, Hoag & Eliot, LLP
 STREET: One Post Office Square
 CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02109-2170

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US 08/822,936
 FILING DATE: 21-FEBRUARY-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Vincent, Matthew P.
 REGISTRATION NUMBER: 36,709
 REFERENCE/DOCKET NUMBER: MV-079.05

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 832-1000
 TELEFAX: (617) 832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 156 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

PCT-US95-04636-2

Query Match 100.0%; Score 800; DB 5; Length 156;
 Best Local Similarity 100.0%; Pred. No. 1.6e-87; Mismatches 0; Indels 0; Gaps 0;

Matches 156; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDPAAGSSMPEPSADWLTAAARGRVEEVRALEAVALPNAPNSYGRPIQVMMGSARVA 60
 Db 1 MDPAAGSSMPEPSADWLTAAARGRVEEVRALEAVALPNAPNSYGRPIQVMMGSARVA 60

Qy 61 ELLLHGAEPNCADPATLTPVHDAAREGFLDTLVLRAGARDVDAWRGLPVLDAEE 120
 Db 61 ELLLHGAEPNCADPATLTPVHDAAREGFLDTLVLRAGARDVDAWRGLPVLDAEE 120

Qy 121 LGHRDVARVRLRAAGGTGTRGSNHARIDAEGPSDID 156
 Db 121 LGHRDVARVRLRAAGGTGTRGSNHARIDAEGPSDID 156

RESULT 8
 PCT-US96-05252-5

Sequence 5, Application PC/US9605252

GENERAL INFORMATION:

APPLICANT:
 TITLE OF INVENTION: p19: A Cell Cycle Inhibitor
 NUMBER OF SEQUENCES: 6

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend and Crew
 STREET: One Market Plaza, Stewart Street Tower
 CITY: San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94105-1992

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/05252
 FILING DATE: Not yet assigned
 CLASSIFICATION:
 PRIORITY INFORMATION:
 APPLICATION NUMBER: US 08/425, 093
 FILING DATE: 17-APR-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Weber, Ellen L.
 REGISTRATION NUMBER: 32,762
 REFERENCE/DOCKET NUMBER: 02307B-059910PC
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 543-9600
 TELEFAX: (415) 543-5043
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 157 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 FEATURE:
 NAME/KEY: Protein
 LOCATION: 1..157
 OTHER INFORMATION: /note= "human p16"
 PCT-US96-05252-5

Query Match 98.7%; Score 789; DB 5; Length 157;
 Best Local Similarity 99.4%; Pred. No. 2.9e-86; Mismatches 0; Indels 1; Gaps 1;
 Matches 156; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MDPAAGGSSMERSDAHLATAAARGVEEVRAALPVALPNAPSNSGRPTQVMMGSARVA 60
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Db 1 MDPAAGGSSMERSDAHLATAAARGVEEVRAALPVALPNAPSNSGRPTQVMMGSARVA 60
 QY 61 E-LLLHGAEPPNCADPATLTPVDAAREGFLDTLVLRHAGARLDVDAEGLPVDLAE 119
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Db 61 ELLLGHAEPNCADPATLTPVDAAREGFLDTLVLRHAGARLDVDAEGLPVDLAE 120
 QY 120 E-LGHGVARYLRAAGGTGRSNHARIDAEGPSDIPD 156
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Db 121 E-LGHGVARYLRAAGGTGRSNHARIDAEGPSDIPD 157

RESULT 9

US-08-474-177-2
 ; Sequence 2, Application US/08474177GENERAL INFORMATION:
 APPLICANT: Skonick, Mark H.
 APPLICANT: Cannon-Albright, Lisa A.
 APPLICANT: Kamb, Alexander
 TITLE OF INVENTION: GERMLINE MUTATIONS IN THE MTS GENE
 NUMBER OF SEQUENCES: 36
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 STREET: 1201 New York Avenue, Suite 1000
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPILER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/474,177

FILING DATE: 07-JUN-1995

CLASSIFICATION: 435

PRIORITY INFORMATION:

APPLICATION NUMBER: PCT/US95/03537

FILING DATE: 17-MAR-1995

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: US 08/251,938

FILING DATE: 01-JUN-1994

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: US 08/227,369

FILING DATE: 18-MAR-1994

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: US 08/214,582

FILING DATE: 18-MAR-1994

ATTORNEY/AGENT INFORMATION:

NAME: Innen, Jeffrey L.

REGISTRATION NUMBER: 28,957

REFERENCE/DOCKET NUMBER: 24084-109348-E

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-962-4810

TELEFAX: 202-962-8300

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 156 amino acids

TYPE: amino acid

TOPOLogy: linear

MOLECULE TYPE: protein

US-08-474-177-2

Query Match

98.6%; Score 789; DB 1; Length 156;

Best Local Similarity 98.7%; Pred. No. 3.3e-85; Mismatches 1; Indels 0; Gaps 0;

Matches 154; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDPAAGGSSMERSDAHLATAAARGVEEVRAALPVALPNAPSNSGRPTQVMMGSARVA 60
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Db 1 MDPAAGGSSMERSDAHLATAAARGVEEVRAALPVALPNAPSNSGRPTQVMMGSARVA 60
 QY 61 E-LLLHGAEPPNCADPATLTPVDAAREGFLDTLVLRHAGARLDVDAEGLPVDLAE 120
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Db 61 ELLLGHAEPNCADPATLTPVDAAREGFLDTLVLRHAGARLDVDAEGLPVDLAE 120
 QY 121 LGHGVARYLRAAGGTGRSNHARIDAEGPSDIPD 156
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Db 121 LGHGVARYLRAAGGTGRSNHARIDAEGPSDIPD 156

RESULT 10

US-08-487-033-2

; Sequence 2, Application US/08487033

; Patent No. 5739027

; GENERAL INFORMATION:

; APPLICANT: Kamb, Alexander

; TITLE OF INVENTION: MUSCLE-Beta GENE

; NUMBER OF SEQUENCES: 36

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP

; STREET: 1201 New York Avenue, Suite 1000

; CITY: Washington

; STATE: DC

; COUNTRY: USA

; ZIP: 20005

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/487, 033
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/03316
 FILING DATE: 17-MAR-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/251, 938
 FILING DATE: 01-JUN-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/215, 087
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/215, 086
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/227, 369
 FILING DATE: 14-APR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/214, 582
 FILING DATE: 18-MAR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28, 957
 REFERENCE/DOCKET NUMBER: 24884-109348-C
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-4810
 TELEFAX: 202-962-8300
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 156 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 ; US-08-487-033-2

RESULT 11
 Query Match 98.6%; Score 789; DB 1; Length 156;
 Best Local Similarity 98.7%; Pred. No. 3.3e-86; Mismatches 1; Indels 0; Gaps 0;
 Matches 154; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDPAAGSSMEPSADWLTAAARGVEEVRALEAVALNPNSYGRRIQVMMGSRVA 60
 Db 1 MEPAGGSMSMEPSADWLTAAARGVEEVRALEAVALNPNSYGRRIQVMMGSRVA 60

QY 61 ELLLHGAEPCAPATLTRPVHDAREGFLDTLVLRAGAIDVDAWGRLPVDLAAE 120
 Db 61 ELLLHGAEPCAPATLTRPVHDAREGFLDTLVLRAGAIDVDAWGRLPVDLAAE 120

QY 121 LGHHDVARYLRAAGGGTRGSNHNHARIDAEGPSDIPD 156
 Db 121 LGHHDVARYLRAAGGGTRGSNHNHARIDAEGPSDIPD 156

RESUL 11
 US-08-480-810-2
 ; Sequence 2, Application US/08480810
 ; Patent No. 5801236
 ; GENERAL INFORMATION:
 ; TITLE OF INVENTION: M1S1 GENE
 ; NUMBER OF SEQUENCES: 36
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 ; STREET: 1201 New York Avenue, Suite 1000
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20005
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/480, 810
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/03316
 FILING DATE: 17-MAR-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/251, 938
 FILING DATE: 01-JUN-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/215, 087
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/214, 582
 FILING DATE: 14-APR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/227, 369
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/215, 086
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/214, 582
 FILING DATE: 18-MAR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28, 957
 REFERENCE/DOCKET NUMBER: 24884-109348-C
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-4810
 TELEFAX: 202-962-8300
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 156 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 ; US-08-480-810-2

RESULT 12
 DS-08-508-735-2
 ; Sequence 2, Application US/08508735
 ; Patent No. 5843756
 ; GENERAL INFORMATION:
 ; APPLICANT: Store, Steven
 ; APPLICANT: Jiang, Ping
 ; APPLICANT: Kamb, Alexander
 ; TITLE OF INVENTION: M1S GENE AND THERAPEUTIC USE THEREOF
 ; NUMBER OF SEQUENCES: 47
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 ; STREET: 1201 New York Avenue, Suite 1000
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA

ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/508,735
FILING DATE:
CLASSIFICATION: 435
PRIORITY DATA:
PRIORITY NUMBER: US to be assigned
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 17-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-662-4448
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 156 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
MOLECULE TYPE: protein
MOLECULE TYPE: protein

; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-508-735-2

Query Match 98.6%; Score 789; DB 2; Length 156;
 Best Local Similarity 98.7%; Pred. No. 3.3e-86; 1; Mismatches
 Matches 154; Conservative 1; Indels 0; Gaps 0;
 QY 1 MDPAAGSSMMPSPSADMILATAAARGVEEVRLALVALPNAPNSYGRRIQVMMMSARVA 60
 1 :|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 1 MEPAGGSSMPSMPSADMILATAAARGVEEVRLALVALPNAPNSYGRRIQVMMMSARVA 60
 1 :|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Qy 61 ELLLIGAEPICADATLTPVHDAREGFLDTLVLHARGARDLVWGRLPVDALEE 120
 1 :|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 61 ELLLIGAEPICADATLTPVHDAREGFLDTLVLHARGARDLVWGRLPVDALEE 120
 1 :|||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Qy 121 LGHRDVARVYLRAAGGTRGSNHARIDAECPSDIPD 156
 1 :|||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 121 LGHRDVARVYLRAAGGTRGSNHARIDAECPSDIPD 156
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 RESULT 13
 US-08-848-251-2
 Sequence 2, Application. US/08848251
 Patent No. 5909815
 ; GENERAL INFORMATION:
 ; APPLICANT: Skolnick, Mark H.
 APPLICANT: Cannon Albright, Lisa A.
 APPLICANT: Kamb, Alexander
 TITLE OF INVENTION: GERMLINE MUTATIONS IN THE MTS GENE AND
 TITLE OF INVENTION: METHOD FOR DETECTING PREDISPOSITION TO CANCER AT THE MTS
 TITLE OF INVENTION: GENE
 NUMBER OF SEQUENCES: 36
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Venable, Baezjer, Howard & Civiletti, LLP
 STREET: 1201 New York Avenue, Suite 1000
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 COMMENTS: Patent To: Palacio #10 version 1.1 30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/848, 251
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/474, 083
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: PCT/US95/03537
FILING DATE: 17-MAR-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/251, 938
FILING DATE: 01-JUN-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/215, 087
FILING DATE: 18-MAR-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/215, 086
FILING DATE: 18-MAR-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/227, 369
FILING DATE: 14-APR-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/214, 582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28, 957
TELECOMMUNICATION DOCKET NUMBER: 24884-109348-G
TELEPHONE: 202-962-4810

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/486,047
 FILING DATE: 07-MAR-1995
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/03316
 FILING DATE: 17-MAR-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/251,938
 FILING DATE: 01-JUN-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,087
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,369
 FILING DATE: 14-APR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/214,582
 FILING DATE: 18-MAR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REFERENCE/DOCKET NUMBER: 28,957
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-4810
 TELEFAX: 202-962-8300
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 156 amino acids
 ;
 TYPE: amino acid
 ;
 TOPOLOGY: linear
 ;
 MOLECULE TYPE: protein
 ;
 US-08-486-047-2

Query Match 98.6%; Score 789; DB 2; Length 156;
 Best Local Similarity 98.7%; Pred. No. 3.3e-86;
 Matches 154; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1 MDPAAGSSMEPSATWATAARGVVEEVRALEAVALPNAPNSYGRPIQVMMSGARVA 60
 Db 1 MEPAGGSMEPSADWATAARGVVEEVRALEAVALPNAPNSYGRPIQVMMSGARVA 60
 QY 61 ELLLHGGAEPNCADPATLTRPVHDAAREGFLDTLVLRAGARLDVDAWRGLPVDLAEE 120
 Db 61 ELLLHGGAEPNCADPATLTRPVHDAAREGFLDTLVLRAGARLDVDAWRGLPVDLAEE 120
 QY 121 LGHRDVARLRAAGGTGSNHNARIDAEGPSDIPD 156
 Db 121 LGHRDVARLRAAGGTGSNHNARIDAEGPSDIPD 156
 QY 121 LGHRDVARLRAAGGTGSNHNARIDAEGPSDIPD 156
 Db 121 LGHRDVARLRAAGGTGSNHNARIDAEGPSDIPD 156

RESULT 15

US-09-120-130-2

Sequence 2: Application US/09/120130

Patient No. 603462

GENERAL INFORMATION:

APPLICANT: Kam, Alexander

TITLE OF INVENTION: MTSI GENE

NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP

STREET: 1201 New York Avenue, Suite 1000

CITY: Washington

STATE: DC

COUNTRY: USA

21P: 20005
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/120,130
 FILING DATE:
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/480,810
 FILING DATE:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/251,938
 FILING DATE: 01-JUN-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,087
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,369
 FILING DATE: 14-APR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/214,582
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,087
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/214,582
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,087
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 28,957
 FILING DATE: 14-APR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/214,582
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,369
 FILING DATE: 14-APR-1994
 PRIORITY APPLICATION DATA:
 REFERENCE/DOCKET NUMBER: 24884-109348
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-4810
 TELEFAX: 202-962-8300
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 156 amino acids
 ;
 TYPE: amino acid
 ;
 TOPOLOGY: linear
 ;
 MOLECULE TYPE: protein
 ;
 US-09-120-130-2

Query Match 98.6%; Score 789; DB 3; Length 156;
 Best Local Similarity 98.7%; Pred. No. 3.3e-86;
 Matches 154; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1 MDPAAGSSMEPSADWATAARGVVEEVRALEAVALPNAPNSYGRPIQVMMSGARVA 60
 Db 1 MEPAGGSMEPSADWATAARGVVEEVRALEAVALPNAPNSYGRPIQVMMSGARVA 60
 QY 61 ELLLHGGAEPNCADPATLTRPVHDAAREGFLDTLVLRAGARLDVDAWRGLPVDLAEE 120
 Db 61 ELLLHGGAEPNCADPATLTRPVHDAAREGFLDTLVLRAGARLDVDAWRGLPVDLAEE 120
 QY 61 ELLLHGGAEPNCADPATLTRPVHDAAREGFLDTLVLRAGARLDVDAWRGLPVDLAEE 120
 Db 61 ELLLHGGAEPNCADPATLTRPVHDAAREGFLDTLVLRAGARLDVDAWRGLPVDLAEE 120
 QY 121 LGHRDVARLRAAGGTGSNHNARIDAEGPSDIPD 156
 Db 121 LGHRDVARLRAAGGTGSNHNARIDAEGPSDIPD 156
 QY 121 LGHRDVARLRAAGGTGSNHNARIDAEGPSDIPD 156
 Db 121 LGHRDVARLRAAGGTGSNHNARIDAEGPSDIPD 156

Search completed: August 24, 2001, 17:48:13
 Job time: 179 sec

Mon Aug 27 09:42:34 2001

us-09-016-869a-2.rai

Page 9



GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: August 25, 2001, 08:00:02 ; Search time 80.13 Seconds
(without alignments)
1977.454 Million cell updates/sec

Title: US-09-016-869A-3
Perfect score: 837
Sequence: 1 GAGGACTCCGGACGGTCCG.....AGGCTGCCAACGGGGAGCGG 837

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 324599 seqs, 9465562 residues

Total number of hits satisfying chosen parameters: 649198

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
listing first 45 summaries

Database : Issued_Patents_NA:*

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2: /cgn2_6/podata/1/ina/5B_COMB.seq: *
3: /cgn2_6/podata/1/ina/6A_COMB.seq: *
4: /cgn2_6/podata/1/ina/6B_COMB.seq: *
5: /cgn2_6/podata/1/ina/PCITS_COMB.seq: *
6: /cgn2_6/podata/1/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	837	100.0	837	2 US-08-305-511A-3
2	837	100.0	837	2 US-08-899-274-3
3	812.8	97.1	850	2 US-08-627-610-3
4	812.8	97.1	850	4 US-08-346-147B-3
5	812.8	97.1	850	4 US-08-822-936-3
6	812.8	97.1	850	5 PCT-US95-04636-3
7	812.8	97.1	751	1 US-08-474-177-15
8	677.2	80.9	751	1 US-08-474-177-15
9	677.2	80.9	751	1 US-08-487-033-15
10	677.2	80.9	751	1 US-08-480-810-15
11	677.2	80.9	751	2 US-08-508-3515
12	677.2	80.9	751	2 US-08-849-251-15
13	677.2	80.9	751	2 US-08-489-047-15
14	677.2	80.9	751	3 US-09-120-131-15
15	677.2	80.9	751	3 US-09-115-252-15
16	677.2	80.9	751	3 US-08-980-511-15
17	677.2	80.9	751	3 US-09-120-128-15
18	677.2	80.9	751	4 US-09-120-129-15
19	677.2	80.9	751	4 US-09-201-139-15
20	677.2	80.9	751	4 US-09-120-131-15
21	360	1244	1 US-08-474-177-15	
22	360	1244	1 US-08-487-033-15	
23	360	1244	1 US-08-480-810-15	
24	360	1244	2 US-08-508-3515	
25	360	1244	2 US-08-848-251-15	
26	360	1244	2 US-08-486-047-15	
27	360	1244	3 US-09-120-130-15	

ALIGNMENTS

RESULT: 1
US-08-306-511A-3
; Sequence 3, Application US/08306511A
; Patent No. 5962316
; GENERAL INFORMATION:
; ;
; APPLICANT: Beach, David H.
; ;
; DEMETRICK, Douglas J.
; ;
; APPLICANT: Serriano, Manuel
; ;
; ATTORNEY: Hanoun, Gregory J.
; ;
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
; ;
; NUMBER OF SEQUENCES: 11
; ;
; CORRESPONDENCE ADDRESS:
; ;
; ADDRESSEE: LAHIVE & COCKFIELD
; ;
; STREET: 60 State Street
; ;
; CITY: Boston
; ;
; STATE: MA
; ;
; COUNTRY: USA
; ;
; ZIP: 02109
; ;
; COMPUTER READABLE FORM:
; ;
; MEDIUM TYPE: Floppy disk
; ;
; COMPUTER: IBM PC compatible
; ;
; OPERATING SYSTEM: PC-DOS/MS-DOS
; ;
; SOFTWARE: ASCII(text)
; ;
; CURRENT APPLICATION DATA:
; ;
; APPLICATION NUMBER: US/08/306,511A
; ;
; FILING DATE: 14-SEP-1994
; ;
; ATTORNEY/AGENT INFORMATION:
; ;
; NAME: Vincent, Matthew P.
; ;
; REGISTRATION NUMBER: 36,709
; ;
; REFERENCE/DOCKET NUMBER: CSI-001CP2
; ;
; TELECOMMUNICATION INFORMATION:
; ;
; TELEPHONE: (617) 227-7400
; ;
; TELEFAX: (617) 227-5941
; ;
; INFORMATION FOR SEQ ID NO: 3:
; ;
; SEQUENCE CHARACTERISTICS:
; ;
; LENGTH: 837 base pairs
; ;
; TYPE: nucleic acid
; ;
; STRANDEDNESS: single
; ;
; TOPOLogy: linear
; ;
; MOLECULE TYPE: cDNA
; ;
; FEATURE:
; ;
; NAME/KEY: CDS
; ;
; LOCATION: 328..738
; ;
; US-08-306-511A-3

Query Match Similarity 100.0%; Score 837; DB 2; Length 837;
Matches 837; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGGACTCCGCCGACGGTTCGCACCCCTGGGCCAGAGCGCTTGAGCTCGGTGCTTCG 60
 QY 1 GAGGACTCCGCCGACGGTTCGCACCCCTGGGCCAGAGCGCTTGAGCTCGGTGCTTCG 60
 Db 61 CGCTAGGGCTTTTCCAGAAGAACAACTCAGGGCCCGACCGCTGGCTTGAGCTCGGTGCTTCG 60
 QY 121 AAACCCGGAGCTAACGACGGCCCTGGCACTCAGGGCCCAAGGCCAGAGAA 180
 Db 121 AAACCCGGAGCTAACGACGGCCCTGGCACTCAGGGCCCAAGGCCAGAGAA 180
 QY 121 AAACCCGGAGCTAACGACGGCCCTGGCACTCAGGGCCCAAGGCCAGAGAA 180
 Db 181 GGAGACGGAGGTAAAGAGCTGGCCAGGGCCAGCTGGCTCTAGAGAGACTGGCGCG 240
 QY 241 AGCAGCTGGGAAGGAAGGGAGGTGTGTTAGTTACGGGAAACGGTGGATTATCGG 300
 Db 241 AGCAGCTGGGAAGGAAGGGAGGTGTGTTAGTTACGGGAAACGGTGGATTATCGG 300
 QY 301 GGCCCTGGCTGGCTGGGGCTGGGAATGGGAAACAGGGCATGCCAATGGG 360
 Db 301 GGCCCTGGCTGGCTGGGGCTGGGAATGGGAAACAGGGCATGCCAATGGG 360
 QY 361 GGCGCAGCCATGGGCTGGCCACGGGGACTAGTGGAGAGGTGGCAC 420
 Db 361 GGCGCAGGGATGAGGCTGGCCACGGGGGGACTAGTGGAGAGGTGGCAC 420
 QY 421 TCCTGGAAACCGCGCGGGATCCAACCGAGTCACCGTTCCGGAGCGCGATCCAG 480
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 QY 601 CTGGACACGGCTGGTGGCTGCGACCGGGGGCGCGCGCTGGAGGTGGCTGG 660
 Db 601 CTGGACACGGCTGGTGGCTGCGACCGGGGGCGCGCGCTGGAGGTGGCTGG 660
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 Db 661 GGTCTCTGCGCGTGACTCTGGCGAGGAGCGGGCCACCGCGAGTGCAGGTACCTG 720
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 Db 721 CGCACAGCCACGGGGACTGACGCCAGGTTCCAGGCCACAAACGCTTATTTCT 780
 QY 781 TACCCATTCCCCACCCACCCACCTAATCTGATGAAGGCTGGCAACGGGAGCGG 837
 Db 781 TACCCATTCCCCACCCACCCACCTAATCTGATGAAGGCTGGCAACGGGAGCGG 837
 RESULT 2
 US-08-893-274-3
 Sequence 3, Application US/08893274
 ; Patent No. 5968821
 ; GENERAL INFORMATION:
 ; APPLICANT: Beach, David H.
 ; APPLICANT: Demetrick, Douglas J.
 ; APPLICANT: Seirano, Manuel
 ; APPLICANT: Hannon, Gregory J.
 ; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins,
 ; TITLE OF INVENTION: and Uses Related Thereto
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: FOLEY, HOAG & ELLIOT LLP
 ; STREET: One Post Office Square

CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02109
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: ASCII(text)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/893, 274
 APPLICATION NUMBER: US 08/748, 812
 APPLICATION NUMBER: US 08/748, 815
 FILING DATE: 15-JULY-1997
 CLASSIFICATION: 800
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/306, 511
 FILING DATE: 14-SEPTEMBER-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/227, 371
 FILING DATE: 14-APRIL-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/154, 915
 FILING DATE: 18-NOVEMBER-1993
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/991, 997
 FILING DATE: 17-OCTOBER-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/963, 308
 FILING DATE: 16-OCTOBER-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Vincent, Matthew P.
 REGISTRATION NUMBER: 36,709
 REFERENCE/DOCKET NUMBER: MTV-071.09
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 832-1000
 TELEFAX: (617) 832-7000
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 837 base pairs
 STRANDEDNESS: single
 TYPE: nucleic acid
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 328..738
 US-08-893-274-3

Query Match 100.0%; Score 837; DB 2; Length 837;
 Best Local Similarity 100.0%; Pred. No. 9.6e-179;
 Matches 837; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGGACTCCGCCACGGCTGGCACTGGCGAGAGCGCTTGAGCTCGCTGCTTCG 60
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 QY 61 CGCTAGGGCTTTTCAGGAGCACTCAGGGCCCGCTGGCTTGAGCTCGCTGCTTCG 60
 Db 61 CGCTAGGGCTTTTCAGGAGCACTCAGGGCCCGCTGGCTTGAGCTCGCTGCTTCG 60
 QY 121 AAAGCCGGAGTAACGACGGCCCTGGACTGACGCCAGGCTGGCTTGAGCTCGCTGCTTCG 60
 Db 121 AAAGCCGGAGTAACGACGGCCCTGGACTGACGCCAGGCTGGCTTGAGCTCGCTGCTTCG 60
 QY 181 GGAGACGGGGAGGTAAAGAGCTGGCCACGGCTCTAGAGAGGTGGCCGG 240
 Db 181 GGAGACGGGGAGGTAAAGAGCTGGCCACGGCTCTAGAGAGGTGGCCGG 240
 QY 241 ACCAGCTGGGAAGAAGGGAGAGCTGGCTTAAGCTTACGGCCACGGGATATCGG 300

RESULT	4
US-08-581-918A-3	QY
Sequence 3, Application US/08581918A	Db
Patent No. 6043030	Db
GENERAL INFORMATION:	Db
APPLICANT: Beach, David H.	Db
APPLICANT: Demetrick, Douglas J.	Db
APPLICANT: Serrano, Manuel	Db
APPLICANT: Bannon, Gregory J.	Db
TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and uses	Db
TITLE OF INVENTION: Related Thereto	Db
NUMBER OF SEQUENCES: 39	Db
CORRESPONDENCE ADDRESS:	Db
ADDRESSEE: Foley, Hoag & Eliot	Db
CITY: Boston	Db
STATE: MA	Db
COUNTRY: USA	Db
ZIP: 02109	Db
COMPUTER READABLE FORM:	Db
MEDIUM TYPE: Floppy disk	Qy
COMPUTER: IBM PC compatible	Qy
OPERATING SYSTEM: PC-DOS/MS-DOS	Qy
SOFTWARE: WordPad	Qy
CURRENT APPLICATION DATA:	Qy
APPLICATION NUMBER: US 08/08/581, 918A	Qy
FILING DATE: 02-JAN-1996	Qy
CLASSIFICATION: 435	Qy
PRIOR APPLICATION DATA:	Qy
APPLICATION NUMBER: US 08/497, 214	Qy
FILING DATE: 30-JUN-1995	Qy
PRIOR APPLICATION DATA:	Qy
APPLICATION NUMBER: US 08/346, 147	Qy
FILING DATE: 29-NOV-1994	Qy
PRIOR APPLICATION DATA:	Qy
APPLICATION NUMBER: US 08/306, 511	Qy
FILING DATE: 14-SEP-1994	Qy
PRIOR APPLICATION DATA:	Qy
APPLICATION NUMBER: US 08/248, 812	Qy
FILING DATE: 25-MAY-1994	Qy
PRIOR APPLICATION DATA:	Qy
APPLICATION NUMBER: US 08/227, 371	Qy
FILING DATE: 14-APR-1994	Qy
PRIOR APPLICATION DATA:	Qy
APPLICATION NUMBER: US 08/154, 915	Qy
FILING DATE: 18-NOV-1993	Qy
PRIOR APPLICATION DATA:	Qy
APPLICATION NUMBER: US 07/991, 997	Qy
FILING DATE: 17-DEC-1992	Qy
ATTORNEY/AGENT INFORMATION:	Db
NAME: Vincent, Matthew P.	Db
REGISTRATION NUMBER: 36,709	Db
REFERENCE/DOCKET NUMBER: MIV-0711.06	Db
TELECOMMUNICATION INFORMATION:	Db
TELEPHONE: (617) 832-1299	Db
TELEFAX: (617) 832-7000	Db
INFORMATION FOR SEQ ID NO: 3:	Db
SEQUENCE CHARACTERISTICS:	Db
LENGTH: 850 base pairs	Db
TYPE: nucleic acid	Db
STRANDEDNESS: both	Db
TOPOLOGY: linear	Db
MOLECULE TYPE: cDNA	Db
FEATURE:	Db
NAME/KEY: CDS	Db
LOCATION: 338..751	Db
RESULT	5
US-08-346-147B-3	Qy
; Sequence 3, Application US/08346147B	Db
; Patent No. 6211334	Db
GENERAL INFORMATION:	Db
APPLICANT: Beach, David H.	Db
APPLICANT: Demetrick, Douglas J.	Db
APPLICANT: Serrano, Manuel	Db
APPLICANT: Bannon, Gregory J.	Db
TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and uses	Db
1 GAGGACTCCGGCAGCGGCCACCTTGAGGGCTTGTAGGCCTGGCTTCGG 60	Qy
11 GGAGACTCCGGCAGCGGCCACCTTGAGGGCTTGTAGGCCTGGCTTCGG 70	Db
61 CGCTTAGGCCTTTCGCCAGAACCAATCAGGGCGCCGCGTGGTTGTAGCGCAGGA 120	Qy
71 CGCTAGGCCTTTCGCCAGAACCAATCAGGGCGCCGCGTGGTTGTAGCGCAGGA 130	Db
121 AAAGCCCGGAGCTAACGACCGCGCTGGCACTGCAGGGCCAGAGAGAA 180	Qy
131 AAAGCCCGGAGCTAACGACCGGGCGCTGGCACTGCAGGGCCCAAGGCCAGAGAA 190	Db
181 GGACGAGGGAGGTATGAAGGTGAGCCAGTCAGTCTAGGAGGGAGAGTGGCCCG 240	Qy
191 GGACGAGGGAGGTATGAAGGTGAGCCAGTCAGTCTAGGAGGGAGAGTGGCCCG 250	Db
241 AGCAGCGTGGAGAAGAGGAAGAGTGTCTGGCTAAGGCAAGGGATATTCCG 300	Qy
251 AGCAGCGTGGAGAAGAGGAAGAGTGTCTGGCTAAGGCAAGGGATATTCCG 310	Db
301 GGCAGCTGGCTCTGGGGCTCGGATGCGGAGAGAACAGGCATGCCAGTGGG 360	Qy
311 GGCAGCTGGCTCTGGGGCTCGGATGCGGAGAGAACAGGCATGCCAGTGGG 370	Db
361 GGCAGCTGGCTCTGGGGCTCGGAGAGAACAGGCATGCCAGTGGG 417	Qy
371 GGCAGCTGGCTCTGGGGCTCGGAGAGAACAGGCATGCCAGTGGG 430	Db
418 CACTCTGGAGACGGAGTGGCTCTGGGGACTAGTGGAGAGGAGTGGCGA 477	Qy
431 CAGCTCTGGAAACCGGGGGATCCAACGAGTCACCGTTGGAGAGGAGTGGCGA 490	Db
478 CAGGTCTCATGATGGCAGGCCGGGGAGGCTCTGGCTCCAGGGGGAG 537	Qy
491 CAGGTCTCATGATGGCAGGCCGGGGAGGCTCTGGCTCCAGGGGGAG 550	Db
538 CCCAACCTGGCACACCCTGGCACTCTACCCGACCGGTGCACTGATGTCGGGGAGGGC 597	Qy
551 CCCAACCTGGCACACCCTGGCACTCTACCCGACCGGTGCACTGATGTCGGGGAGGGC 610	Db
598 TTCTGTGACACGTGGTGTGCTGCACTGGGGGGACTGACGCCAGGTCTCCAGGGGGAGG 657	Qy
611 TTCTGTGACACGTGGTGTGCTGCACTGGGGGGACTGACGCCAGGTCTCCAGGGGGAGG 670	Db
658 TGGGTCTCTGCCGGGACTTGCCGGGGGGGACCCGGGAGCTGGTCCAGGGTAC 717	Qy
671 TGGGTCTCTGCCGGGACTTGCCGGGGGGGACCCGGGAGCTGGTCCAGGGTAC 730	Db
718 CTGGCACGCCAGGGGGACTGACGCCAGGTCTCCAGGCCACACACTTTTT 777	Qy
731 CTGGCACGCCAGGGGGACTGACGCCAGGTCTCCAGGCCACACACTTTTT 790	Db
778 TCCTTACCAATTTCGCCACCCACCCACTTAATTCGATGAAGGCTCCACAGGGAGGG 837	Qy
791 TCCTTACCAATTTCGCCACCCACCCACTTAATTCGATGAAGGCTCCACAGGGAGGG 850	Db

CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02109

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Wordpad

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/346,147B
 FILING DATE: 29-Nov-1994
 CLASSIFICATION: 514
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/306,511
 FILING DATE: 14-SEP-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/248,812
 FILING DATE: 25-MAY-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,371
 FILING DATE: 14-APR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/154,915
 FILING DATE: 18-NOV-1993
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/991,997
 FILING DATE: 17-DEC-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Vincent, Matthew P.
 REGISTRATION NUMBER: 36,709
 REFERENCE/DOCKET NUMBER: MIV-071.04
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 832-1299
 TELEFAX: (617) 832-7000
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 850 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 338..751
 ; US-08-346-147B-3

Query Match 97.1%; Score 812.8; DB 4; Length 850;
 Best Local Similarity 98.8%; Pred. No. 2,4e-173; Matches 830; Conservative 0; Mismatches 7; Indels 3; Gaps 1;

QY 1 GAGGACTCGGAGGGTGGCTGCACCTCTGGCCAGAGGGCTTGAGTCGCTGTCTCG 60
 Db 11 GAGGACTCGGAGGGTGGCTGCACCTCTGGCCAGAGGGCTTGAGTCGCTGTCTCG 70
 QY 61 CGCTCAGGGCTTTTCCAGAGCAATCAGGCCGCGCGCTGGTCTTGAGCCAGGA 120
 Db 71 CGCTCAGGGCTTTTCCAGAGCAATCAGGCCGCGCGCTGGTCTTGAGCCAGGA 130
 QY 121 AAAGCCGAGGTAATGAAAGGTGAGCCAGTCTCTAGAAGGAGAGTGTGCCCG 180
 Db 131 AAAGCCGAGGTAATGAAAGGTGAGCCAGTCTCTAGAAGGAGAGTGTGCCCG 190
 QY 181 GGAGCAGGGAGGTAATGAAAGGTGAGCCAGTCTCTAGAAGGAGAGTGTGCCCG 240
 Db 191 GGAGCAGGGAGGTAATGAAAGGTGAGCCAGTCTCTAGAAGGAGAGTGTGCCCG 250
 QY 241 AGCGAGCTGGAAAGAAGGAAGGTGAGTGTAGTTACGCCAACGGTGTATCCG 300
 Db 251 AGCGAGCTGGAAAGAAGGAGAGTGTGTAGTTACGCCAACGGTGTATCCG 310
 QY 301 GGCGCTGGCTGGCTGGGCTGGATGCCAGAGAACAGGCATCCCCATGGG 360

RESULT 6
 US-08-822-936-3
 ; Sequence 3, Application US/08822936
 ; Patent No. 6212575
 ; GENERAL INFORMATION:
 ; APPLICANT: Massague, Joan
 ; APPLICANT: Roberts, James M.
 ; APPLICANT: Koff, Andrew
 ; APPLICANT: Polvak, Kornelia
 ; TITLE OF INVENTION: Isolated p27 Protein, Nucleic Acid
 ; TITLE OF INVENTION: Molecules Encoding Same, Methods of Identifying Agents Acti
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Foley, Hoag & Eliot, LLP
 ; STREET: One Post Office Square
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02109-2470
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/822,936
 ; FILING DATE: 21-FEBRUARY-1997
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Vincent, Matthew P.
 ; REGISTRATION NUMBER: 36,709
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 832-1000
 ; TELEFAX: (617) 832-7000
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:

Db 311 GGCGCTGGCTGGGCTGGGAATGCCAGGGCATGCCAGGG 370
 QY 361 GGCGCGCACGATAGGGCTTGCCA---CGCGGCGCGGGACTACTGGAGAACGGCGA 417
 Db 371 GGCGCAGGGATGAGGGCTGGCTGGGCCGCGCGCGAGTCACCGTTGGAGGAGGCGGAT 430
 QY 418 CACIHCCTGGAMGCCGGGGATCCCAACCGAGTCACCGTTGGAGGAGGCGGATC 477
 Db 431 CAGCTCTCGAAAGCCGGCGGGATCCCAACGGAGTCACCGTTGGAGGAGGCGGCGAT 490
 QY 478 CAGGCTAGTAGTGGAGCGCCGGTGGGGAGTGTGCTGTGCGCCAGGGAG 537
 Db 491 CAGGTCTAGTGTAGTGGCAGGCCCGCCGGTGGGGAGTGTGCTGTGCGCCAGGGAG 550
 QY 538 CCCAACCTGGAGACCCGCACTCTCACCCGACCGGGTGTCACTGCTCCAGGGCGGG 597
 Db 551 CCCAACCTGGAGACCCGCACTCTCACCCGACCGGGTGTCACTGCTCCAGGGCGGG 610
 QY 598 TWCCTGACACCTGGTGTGACCTGGGAGTGTGCGGCGGGGGGGGTGACGTCGCGATGCC 657
 Db 611 TTCTCTGGACACGCTGGTGTGCGACCGGGGCGGGGGGGGGCTGAGCTGCGGATGCC 670
 QY 658 TGGGTGCTCTGCCCGAGTGGGAGGACCTGGGAGGAGCGGGGACGGTGTGAGGTAC 717
 Db 671 TGGGTGCTCTGCCCGAGTGGGAGGACCTGGGAGGAGCGGGGACGGTGTGAGGTAC 730
 QY 718 CTGGCACAGGACGGGAGCTGACGCCAGGTTCCCGAGGCCAACAGACTTTATT 777
 .Db 731 CTGCGCACAGGACGGGAGCTGACGCCAGGTTCCCGAGGCCAACAGACTTTATT 790
 QY 778 TCCTTACCCAAATTCCACCCACCCACCTTAATTGATGAGGCTGCCAACGGGAGGG 837
 Db 791 TCTTACCCAAATTCCACCCACCCACCTTAATTGATGAGGCTGCCAACGGGAGGG 850

LENGTH: 850 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 MOLECULE TYPE: linear
 FEATURE: CDS
 LOCATION: 338..751
 ; US-08-822-936-3

Query Match 97.1%; Score 812.8; DB 4; Length 850;
 Best Local Similarity 98.8%; Pred. No. 2.4e-1/3;
 Matches 830; Conservative 0; Mismatches 7; Indels 3; Gaps 1;

QY 1 GAGGACTCGCGAGGGTGCACCCCTGGGCCAGAGGGCTTGAGCTCGGTGCTTCG 60
 Db 11 GAGGACTCGCGAGGGTGCACCCCTGGGCCAGAGGGCTTGAGCTCGGTGCTTCG 60
 QY 61 CGCTTAGGGCTTTTCCCAGAAGAACAACTCAGGGCCGGCGAGGGCTTGAGCTCGGTGCTTCG 70
 Db 71 CGCTAGGGCTTTTCCCAGAAGAACAACTCAGGGCCGGCGAGGGCTTGAGCTCGGTGCTTCG 130

QY 121 AAACCCSGAGCTAACGACCGGGCTGGCACTGACAGGGCCAGCTCTAGAGAGAGACTGCGCGG 180
 Db 131 AAACCCGGAGCTAACGACCGGGCTGGCACTGACAGGGCCAGCCAGGGCAAGAGAA 190
 QY 181 GGAGAGGGGAGGAGTAATGAGCTGAGCTGAGCCAGCTCTAGAGAGAGACTGCGCGG 240
 Db 191 GGAGACGGAGGAGGAGTAATGAGCTGAGCTGAGCCAGCTCTAGAGAGAGACTGCGCGG 250

QY 241 AGCACCGTGGAAAGGAAGGGAGAAGGAGTGTGTAGTTACGCCAACGGTGGATATCCG 300
 Db 251 AGCACCGTGGAAAGGAAGGGAGAAGGAGTGTGTAGTTACGCCAACGGTGGATATCCG 310

QY 301 GGCGCTGGCGTGTGGGCTGGGAATGGGAGAACAGGGCATGGCCAGTGG 360
 Db 311 GGCGCTGGCGTGTGGGCTGGGAATGGGAGAACAGGGCATGGCCAGTGG 370

QY 361 GGCGCAGGATGGGGTGTGGCA---CGCCGCGCGGGACTAGTGAGAAGGTGCGA 417
 Db 371 GGCGCAGGATGGGGTGTGGCA---CGCCGCGCGGGACTAGTGAGAAGGTGCGA 430

QY 418 CACTCTGGAGCCGGCGCGATCCAAACGGACTAACGGTTGGAGGGGGATC 477
 Db 431 CAGCTCTGAAAGCGGGCGCGGATCCAAACGGACTAACGGTTGGAGGGCGCGATC 490

QY 478 CAGGTCATGATGATGGCACGCCCGCGCGCGAGCTCTGCTGCTCCACGGCGGG 537
 Db 491 CAGGTCATGATGATGGCACGCCCGCGCGAGCTCTGCTGCTCCACGGCGGG 550

QY 538 CCCAACTGGCCAGACCTGCACTGTCACCGACGGTGTATGAGCTGGCCAGGG 597
 Db 551 CCCAACTGGCCAGACCTGCACTGTCACCGACGGTGTATGAGCTGGCCAGGG 610

QY 598 TTCTGAGACAGCGCTGGGACTCACCGGGCGGGCGCTGGAGCTGCGGATGCC 657
 Db 611 TCTCTGGACAGCGCTGGGACTCACCGGGCGGGCGCTGGAGCTGCGGATGCC 670

QY 658 TGGGGTGTCTGGCGGGACTTGAGCCAGGTGGCCAGGAGGGGGGACCTGG 717
 Db 671 TGGGGTGTCTGGCGGGACTTGAGCCAGGTGGCCAGGAGGGGGGACCTGG 730

QY 718 CTGGCACAGGCCAGGGACTTGAGCCAGGTGGCCAGGAGGGGGGACCTGG 777
 Db 731 CTGGCACAGGCCAGGGACTTGAGCCAGGTGGCCAGGAGGGGGGACCTGG 790

QY 778 TCTTACCAATTCCACCCACCCACCAATTGATGAGGAGTGGCTGCAACGGGAGCG 837
 Db 791 TCTTACCAATTCCACCCACCCACCAATTGATGAGGAGTGGCTGCAACGGGAGCG 850

PCT-US95-04636-3
 ; Sequence 3, Application PC/TUS9504636
 ; GENERAL INFORMATION:
 ; APPLICANT:
 ; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and uses
 ; NUMBER OF SEQUENCES: 10
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: ASCII(text)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US95/04636
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIORITY APPLICATION NUMBER: US 08/346,147
 ; PRIORITY APPLICATION DATA:
 ; FILING DATE: 29-NOV-1994
 ; APPLICATION NUMBER: US 08/306,511
 ; PRIORITY APPLICATION DATA:
 ; FILING DATE: 14-SEP-1994
 ; APPLICATION NUMBER: US 08/248,812
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/227,371
 ; FILING DATE: 14-APR-1994
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 LENGTH: 850 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 338..751
 ; PCT-US95-04636-3

Query Match 97.1%; Score 812.8; DB 5; Length 850;
 Best Local Similarity 98.8%; Pred. No. 2.4e-1/3; Mismatches 7; Indels 3; Gaps 1;

QY 1 GAGGACTCCGCAACGGTGGACCCCTGGGCCAGAGGGCTTGAGCTCGCTGCTTCG 60
 Db 11 GAGGACTCCGCAACGGTGGACCCCTGGGCCAGAGGGCTTGAGCTCGCTGCTTCG 70
 QY 61 CAGCTAGGGCTTTTCCCAGAACAACTCAGGGCCGGCGAGGGCTTGAGCTCGCTGCTTCG 120
 Db 71 CAGCTAGGGCTTTTCCCAGAACAACTCAGGGCCGGCGAGGGCTTGAGCTCGCTGCTTCG 130

QY 121 AAAGCCGGAGGAGTAACGACGGCCGCGCTGGGACTGACGGCCAGGTGCTCTAGAGAGAA 180
 Db 131 AAAGCCGGAGGAGTAACGACGGCCGCGCTGGGACTGACGGCCAGGTGCTCTAGAGAGAA 190
 QY 181 GGACGACGGGGAGGTAAATGAGCTGAGCCAGGTGGCTCTAGAGAGAGTGGCCGG 240
 Db 251 AGCACCGTGGAAAGAGGGAGAAGGAGTGTCTGTTACGCCAACGGTGGATATCCG 310

QY 301 GGCGCTGGCGTGTGGGCTGGGAATGGGAGAACAGGGCATGGCCAGTGG 360
 Db 311 GGCGCAGGAGGTGGCTGGCCAGGCCAGGGGGACTAGTGAGAAGGTGCGA 370

QY 361 GGCGCAGGAGGTGGCTGGCCAGGCCAGGGGGACTAGTGAGAAGGTGCGA 417
 Db 371 GGCGCAGGAGGTGGCTGGCCAGGCCAGGGGGACTAGTGAGAAGGTGCGA 430

RESULTS 7

QY 418 CACTCCTGGAAACCGGCGGCGGATCCACGAGTCACCGTTGGAGGCGCGCGATC 477
Db 431 CAGGTCCTGGAAACCGGCGGCGGATCCACGAGTCACCGTTGGAGGCGCGCGATC 490
QY 478 CAGGCATGATGATGGCAGCGCCCGCTGGCGAGCTGCCTCCACGGGAG 537
Db 491 CAGTCATGATGATGGCAGCGCCCGCTGGCGAGCTGCCTCCACGGGAG 550
QY 538 CCCACTGGCAGACCCCTGCCACTCTACCGACGGCGAGCTGCCTCCACGGGAG 597
Db 551 CCCACTGGCAGACCCCTGCCACTCTACCGACGGCGAGCTGCCTCCACGGGAG 610
QY 598 TGGCTGGACGCTGGCTGGCTGGCGACTCTACCGACGGCGAGCTGCCTCCACGGGAG 657
Db 611 TTCTGGACACGCCGGCTGGCTGGCGACGCCGGCTGGAGCTGGCGATC 670
QY 658 TGGGTCGTCTGCCGGTGAACCTGCGCAGGAGGGCCACCGGAGCTGCCTCCACGGGAG 717
Db 671 TGGGTCGTCTGCCGGTGAACCTGCGCAGGAGGGCCACCGGAGCTGCCTCCACGGGAG 730
QY 718 CTGGCACGCCACGGGGACTGAGCCAGGTTCCCAGCCACAACGACTTATT 777
Db 731 CTGGCACGCCACGGGGACTGAGCCAGGTTCCCAGCCACAACGACTTATT 790
QY 778 TCTAACCAATTCCCCACCCACCCACTAATTGAGTGAAGGCTCCAACGGGAGGG 837
Db 791 TCTAACCAATTCCCCACCCACCTAAATCGATGAAGGCTCCAACGGGAGGG 850

RESULT 8
US-08-474-177-15
Sequence 15 Application US/08474177
; Patient No. 5624919
; GENERAL INFORMATION:
; APPLICANT: Skolnick, Mark H.
; APPLICANT: Cannon-Albright, Lisa A.
; APPLICANT: Kamb, Alexander
; TITLE OF INVENTION: GERMLINE MUTATIONS IN THE MT S GENE
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Verable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/474,177
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/03537
; FILING DATE: 17-MAR-1995
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/215, 938
; FILING DATE: 18-MAR-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/215, 087
; FILING DATE: 18-MAR-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/215, 086
; FILING DATE: 18-MAR-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/227, 369
; FILING DATE: 14-APR-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/214, 582
; FILING DATE: 18-MAR-1994

ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28, 957
REFERENCE/DOCKET NUMBER: 24884-109348-E
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
FAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 751 base pairs
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 335..751
US-08-474-177-15

Query Match 80.9%; Score 677.2; DB 1; Length 751;
Best Local Similarity 97.9%; Pred. No. 4.5e-148; Mismatches 0; Indels 8; Gaps 4;
Matches 730; Conservative 0; MisMatches 8; InDelS 8; Gaps 4;

QY 1 GAGGACTCCGGGACG-GTCCGCACCTGGGGCAGCGCGCTTGAGCCTGGCTGCTCC 59
Db 9 GAGGACTCCGGGACG-GTCCGCACCTGGGGCAGCGCGCTTGAGCCTGGCTGCTCC 68
QY 60 GGCTTAGGCCTTATCCAGAGAAATCAGACGGGGCGCGCTGGTTCTGAGCGCTGGCTGCGCAGG 119
Db 69 GGCTTAGGCCTTATCCAGAGAAATCAGACGGGGCGCGCTGGCTGAGCGCTGGCTGCGCAGG 128
QY 120 AAAASCAGGAGCTAACGACGGGGCGCGCTGG-CACTGCAGGGSACCCAAAGGGCAGAG 178
Db 129 AAAGGCCGGAGCTAACGACGGGGCGCGCTGGCCACTGCAGGGSACCCAAAGGGCAGC--AG 185
QY 179 AAGGACGACGGAGGTAAATGAGCTGAGCCAGGTCTCTAGGAGGAGAGTGCCTC 238
Db 186 AAGGACGACGGAGGTAAATGAGCTGAGCCAGGTCTCTAGGAGGAGAGTGCCTC 245
QY 239 CGAGCACGCGGGAAAGAAGGGAGAGTGTGTTAAGTGTACGSCCAACGGTGATTAC 298
Db 246 GGAGCACGCGGGAAAGAAGGGAGAGTGTGTTAAGTGTACGSCCAACGGTGATTAC 305
QY 299 CGGGCGCTGGGCTGGGGATGCCAGGGAGGAGAACAGGCAGGCCAGTG 358
Db 306 CGGGCGCTGGGCTGGGGCTGGGGATGCCAGGGAGAACAGGCAGGCCAGTG 365
QY 359 CGGGCGCAGGGATGAGGGCTGGCA--CGCGCGGGGACTAGTGGAGGAGGTC 415
Db 366 GGGCGCGCAGGGATGAGGGCTGGGGATGCCAGGGAGAACAGGCAGGCCAGTG 425
QY 416 GACACTCCTGGAAAGCGGGCGGATCCACGGAGTCACCGTTGGAGGCGCGA 475
Db 426 GACAGCTCTGAAGCGGGCGGATCCACGGAGTCACCGTTGGAGGCGCGA 485
QY 476 TCCAGGTGATGATGGCAGCGCCGGCGGAGCTGCCTGCGCTGCCTGCAGTGCCTGGAGGCGCG 535
Db 486 TCCAGGTGATGATGGCAGCGCCGGCGGAGCTGCCTGCCTGCAGTGCCTGGAGGCGCG 545
QY 536 AGCCCACTGGCAGCCCTGCCACTCTACCGACGGCTGCAGTCACCGTTGGAGGCGCGA 595
Db 546 AGCCCACTGGCAGCCCTGCCACTCTACCGACGGCTGCAGTCACCGTTGGAGGCGCG 605
QY 596 GCTTCCTGGAAAGCGCTGGTGTGCTGACCGGGCGGGCGCTGGAGGCGCGATG 655
Db 606 GCTTCCTGGAAAGCGCTGGTGTGCTGACCGGGGGGGCGCTGGAGGCGCGATG 665
QY 656 CCTGGGGCTGGCTGGGGACTGGCCAGGGAGGAGCGCGACCGGAGTCAGTGCAGGGT 715

Query Match 80.9%; Score 677.2; DB 1; Length 751;
 Best Local Similarity 97.9%; Pred. No. 4 5e-143; Indels 8; Gaps 4;
 Matches 730; Conservative 0; Mismatches 18;

RESULT 9
 US-08-487-033-15
 ; Sequence 15, Application US/08487033
 ; GENERAL INFORMATION:
 ; APPLICANT: Kamb, Alexander
 ; TITLE OF INVENTION: MTSE1-Beta GENE
 ; NUMBER OF SEQUENCES: 36
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 ; STREET: 1201 New York Avenue, Suite 1000
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08487.033
 FILING DATE: 07-MAR-1995
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/03316
 FILING DATE: 17-MAR-1995
 PRIORITY APPLICATION NUMBER:
 APPLICATION NUMBER: US 08/251,938
 FILING DATE: 01-JUN-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,087
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,086
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,369
 FILING DATE: 14-APR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/214,582
 FILING DATE: 18-MAR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28,957
 REFERENCE/DOCKET NUMBER: 24884-109348-C
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-4810
 TELEFAX: 202-962-8300
 INFORMATION FOR SEQ ID NO: 15:
 . SEQUENCE CHARACTERISTICS:
 LENGTH: 751 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 FEATURE: CDS
 NAME/KEY: CDS
 LOCATION: 335..751
 US-08-487-033-15
 ;
 RESULT 10
 US-08-480-810-15
 ; Sequence 15, Application US/08480810
 ; Patient No. 5801236
 ; GENERAL INFORMATION:
 ; APPLICANT: Kamb, Alexander
 ; TITLE OF INVENTION: MTSE1 GENE
 ; NUMBER OF SEQUENCES: 36
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 ; STREET: 1201 New York Avenue, Suite 1000
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20005

Db 666 CCTGGGGTGTGTCAGGGAGGGGGGACCGCGAAGTTGAGGT 725
 Qy 716 ACCTGGCCACAGCCACGGGGGACCTGA 741
 Db 726 ACCTGGCACAGCCACGGGGGACTGA 751

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 Db 186 AAGGACGACGGAGGGTAATGAGCTGAGCCAGGCTCCATTAGGAGGAGAGTAGGCGC 245
 Qy 239 GGAGCAGGGAAAGAGGGAGAGTAGGTTAAGGCAACGGGGTAC 298
 Db 246 GGAGCAGGGAAAGAGGGAGAGTAGGTTAAGGCAACGGGGTAC 305
 Qy 299 CGAGCCGGCTGCGGCTCGGGGCTGCGGAATGCGCAGGAGAACAGGGATGCCAGTG 358
 Db 306 CGGGCGCTGCGGCTCGGGGCTGCGGAATGCCAGGAGAACAGGGATGCCAGTG 365
 Qy 359 GGGGGGGAGGGATGAGGGTCTGGCAGCGCCAGGAGAACAGGGATGCCAGTG 425
 Db 366 GGGGGGGAGGGATGAGGGTCTGGCAGCGCCAGGAGAACAGGGATGCCAGTG 475
 Qy 416 GACACTCTGGAGCGGGCGGGATCCAAAGGGATCACCGGTTGGAGGGCGGGA 415
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 Qy 476 TCCAGGTCATGATGATGGCAAGGCCCGGGGGAGCTCTGCTGCTCCACGGGGGG 535
 Db 486 TCCAGGTCATGATGATGGCAAGGCCCGGGGGAGCTCTGCTGCTCCACGGGGGG 545
 Qy 536 AGCCCAACTGGCAGACCTCT3'CAACTCTCACCGACGGGTCATGATGCTGCCGGGAGG 595
 Db 546 AGCCCAACTGGCAGACCTCTGCACTCTCACCGACGGGTCATGATGCTGCCGGGAGG 605
 Qy 596 GCTTCCTGAGACGGCTGGTGTGCTGACCCGGCGGGGGCGGGCGGGAGCTGGCGGATG 655
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 Qy 656 CCTGGGGTGTGTCAGGGAGGGGGGACCGCGAAGTTGAGGT 715
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 Qy 716 ACCTGGCACAGCCACGGGGGACTGA 741
 Db 726 ACCTGGCACAGCCACGGGGGACTGA 751

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/480,810
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: - PCT/US95/03316
 FILING DATE: 17-MAR-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: - US 08/251,938
 FILING DATE: 01-JUN-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: - US 08/215,087
 FILING DATE: 18-MAR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: - US 08/215,086
 FILING DATE: 18-MAR-1994
 ATTORNEY/AGENT INFORMATION:
 APPLICATION NUMBER: - US 08/227,369
 FILING DATE: 14-APR-1994
 REFERENCE/DOCKET NUMBER: 24884-109348
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-4810
 TELEFAX: 202-962-8300
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 751 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 335..751
 B-480-810-15

RESULT 11
 US-08-508-735-15
 ; Sequence 15, Application US/08508735
 ; Patent No. 584376
 ; GENERAL INFORMATION:
 ; APPLICANT: Stone, Steven
 ; APPLICANT: Jiang, Ping
 ; APPLICANT: Kam, Alexander
 ; TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF
 ; NUMBER OF SEQUENCES: 47
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 ; STREET: 1201 New York Avenue, Suite 1000
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/508,735
 FILING DATE: 17-MAR-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US to be assigned
 FILING DATE: 07-JUN-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/03316
 FILING DATE: 17-MAR-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28,957
 REFERENCE/DOCKET NUMBER: 24884-109348
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-4848

Db 246 GGACCGAGCTGGGAAAGAAGGAGAGTGTGTTACGGCCACGGGATTAC 305
 Qy 299 CGGGCGCnGCGGnTCTGGGGCTCGGAATGCCGAGGAGAACAGGGCATGCCAGTG 365
 Db 306 CGGGCGCnTGCnGCTCTGGGGCTCGGAATGCCGAGGAGAACAGGGCATGCCAGTG 365
 Qy 359 GGGGGGAGCGATGAGGGTCTGGCA--CGCGGGGGACTAGTGGAGAGGTG 415
 Db 366 GGGGGGAGCGATGAGGGTCTGGCAAGGGGGGGGGGGACTAGTGGAGAGGTG 425
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 Db 546 AGCCAACTGGCAGACCCCTGCACTCTAACCGACCCGTTGCAATGATGTCGCCCCGGAGG 605
 Qy 656 CCTGGGTGCTGCCGGACTTGCCGGAGGAGGGCCACCCGAGCTGCAAGGTGGCGATG 665
 Db 666 CCTGGGTGCTGCCGGTGGACTTGCCGGAGGAGGGCCACCCGAGCTGCAAGGTGGCGATG 725
 Qy 716 ACCTGGCAAGCCACGGGGGACTGA 741
 Db 726 ACCTGGCACAGCCACGGGGGACTGA 751

APPLICATION NUMBER: US 08/215,086
 FILING DATE: 18-MAR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,369
 FILING DATE: 14-APR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/214,582
 FILING DATE: 18-MAR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28,957
 REFERENCE/DOCKET NUMBER: 24884-109348
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-562-4810
 TELEFAX: 202-562-8300
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 751 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 335..751
 US-09-120-130-15

RESULT 14

GENERAL INFORMATION:
 Sequence 15, Application US/09120130
 Patent No. 603462

APPLICANT: Kam, Alexander
 TITLE: MTSI GENE
 NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Venable, Howard & Civiletti, LLP
 STREET: 1201 New York Avenue, Suite 1000
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/120,130
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/480,810
 FILING DATE:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/251,938
 FILING DATE: 01-JUN-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,087
 FILING DATE: 18-MAR-1994
 PRIOR APPLICATION DATA:

Query Match 80.9%; Score 677.2; DB 3; Length 751;
 Best Local Similarity 97.9%; Pred. No. 4.5e-143;
 Matches 730; Conservative 0; Mismatches 8; Indels 8; Gaps 0

Qy 1 GAGGACTCCGGGACG-GTCCGCCACCTGGGCCAGAGCGCTTTCAGCAGGGCTTC 59
 Db 9 GAGGACTCCGGGACGCGCTCCGACCCCTGGGCCAGAGCGCTTCAGCAGGGCTTC 68
 Qy 60 GCGCTAGGGCTTTCCAGAACAGAACATCCAGGGGCCAGAGCGCTTCAGCAGGGCTTC 59
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 Qy 120 AAAAGCCGGAGCTAACGACGGGCCCTCG-CACTGACGGGCCAACGCCAGAG 178
 Db 129 AAAGGCCGGAGCTAACGACGGGCCCTCGGCCAACAGCAGGGGCCAACGCCG --AG 185
 Qy 179 AAGGACCGGGAGGGTAATGAAGCTAGCCAGGTCTCTAGGGAGAGTGCC 238
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 Qy 536 AGCCCACACTGCCAGACCCCTGCCACCTCACCAGGGGGCATGATGTCACCGGGGAGG 595

RESULT 15
US-09-115-252-15
Sequence 15, Application US/09115252
GENERAL INFORMATION:
APPLICANT: Kamb, Alexander
TITLE OF INVENTION: MTS1 GENE
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/115, 252
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/480, 810
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: -PCT-US95/03316
FILING DATE: 17-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/251, 938
FILING DATE: 01-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215, 087
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: -US 08/215, 086
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: -US 08/227, 369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: -US 08/214, 582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28, 957
REFERENCE/DOCKET NUMBER: 24884-109348
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 751 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear

Query Match ;
Best Local Similarity ;
Matches 730; Conservative ;
Score 80.9%; Score 677.2; DB 3; Length 751;
Pred. No. 4.5e-143; Mismatches 0; Indels 8; Gaps 4;
Db 9 GAGGACTCCGGGACG-GTCCCACCCCTGCGGCCAGAGCGCTTGAGCTGGCTGCCTCC 59
QY 60 GGCCTAGGCCGTTTTCACAGAAGCHATCCAGGAGCCGCGCTGCTGCTGAGCCAGG 68
Db 69 GGCTTAGGCCTTTCACAGAAGCAGATCCAGGAGCCGCGCTGCTGCTGAGCCAGG 119
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QY 239 GAGACAGCGTGGAAAGAGGGAGAGTGTAAATTAGTGTAGGCTAACGGTGATTAC 298
Db 246 GGAGCACGGTGGAAAGAGGGAGAGTGTAAATTAGTGTAGGCTAACGGTGATTAC 305
QY 299 CGGGCGCTGGCTGGGCTGGGGCTGGGAAGAGTGTGTTAGTTACGGCCAAGGGTGGATTAC 358
Db 306 GGGGCCTGGCTGGCTGGGCTGGGAAGAGGAGAAGTGTGTTAGTTACGGCCAAGGGTGGATTAC 365
QY 359 GGGGCGCAGGATGGGGCTGGCA--CGCCCGCGGGGAGGAGAACGGCATGCCAG 415
Db 366 GGGGCGCAGGATGGGGCTGGCAAGGGGAGGAGAACGGCATGCCAG 425
QY 416 GACACTCTGGGAAGGGGGGATCCAAAGGGACTCACCGGATCACCCTTCGGAGGCGCGCGGA 475
Db 426 GACAGGTCCTGGAAGCCGGGGATCCCAACGGAGTCACCGGTTGGGAGGCGCGCGGA 485
QY 476 TCCAGGTCAATGATGATGGGGAGGCGCCGGTGGGGAGGTGCTCTGTGCTCCAGGGCG 535
Db 486 TCCAGGTCAATGATGATGGGGAGGCGCCGGTGGGGAGGTGCTCTGTGCTCCAGGGCG 545
QY 536 AGCCCAACTGGCAGACCCGGCACTCTAACCGACCGGTGATGATGATGCTGCCGGAGG 595
Db 546 AGCCCAACTGGCAGACCCGGCACTCTAACCGACCGGTGATGATGATGCTGCCGGAGG 605
QY 596 CCTTCCTGGACGACGGCTGGTGGTGCACGGGGGGGGCGCTGGAGCTGGCGATG 655
Db 606 GCTTCCTGGACGACGGCTGGTGGTGCACGGGGGGGGCGCTGGAGCTGGCGATG 665
QY 656 OCTGGGGCTGCTGCGCGTGGACTGGCGAGGAGCGGGGACCGCAGCTGCAAGTGCASGGT 715
Db 666 CCTGGGGCTGCTGCGCGTGGACTGGCGAGGAGCGGGGACCGCAGCTGCAAGTGCAGGT 725
QY 716 ACCTGGCAGACGGCAAGGGGAGCTGA 741
Db 726 ACCTGGCAGACGGCAAGGGGAGCTGA 751

MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 335..751
US-09-115-252-15

Search completed: August 25, 2001, 08:00:14
Job time: 3582 sec

Mon Aug 27 09:42:37 2001

us-09-016-869a-3.rni

Page 14

Copyright (c) 1993 - 2000 Compugen Ltd.	GenCore version 4.5			
OM protein - protein search, using sw model				
Run on:	August 24, 2001, 17:48:13 ; Search time 25.02 Seconds (without alignments) 112.745 Million cell updates/sec			
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Perfect score:	717			
Sequence:	1 MREENKGMPGGSGDEGLAT..... LAEERGHDRVAGYLRTATGD 137			
Scoring table:	BLOSUM62			
Gapop:	10.0 , Gapext 0.5			
Searched:	197339 seqs, 20590346 residues			
Total number of hits satisfying chosen parameters:	197339			
Minimum DB seq length: 0				
Maximum DB seq length: 2000000000				
Post-processing: Minimum Match 0%				
Maximum Match 100%				
Listing first 45 summaries				
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6:	/cgn2_6/prodata2/1aa/backfiles1.pep:*			
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.				
SUMMARIES				
Result No.	Score	Query Match Length	DB ID	Description
1	717	100.0	137	2 US-08-306-511A-4
2	717	100.0	137	2 US-08-893-274-4
3	700.5	97.7	136	5 PCT-US596-05252-6
4	667.5	93.1	138	1 US-08-473-033-16
5	667.5	93.1	138	1 US-08-473-033-16
6	667.5	93.1	138	1 US-08-480-810-16
7	667.5	93.1	138	2 US-08-735-16
8	667.5	93.1	138	2 US-08-627-610-4
9	667.5	93.1	138	2 US-08-848-251-16
10	667.5	93.1	138	2 US-08-486-047-16
11	667.5	93.1	138	3 US-08-384-106A-25
12	667.5	93.1	138	3 US-09-120-130-16
13	667.5	93.1	138	3 US-08-581-918A-4
14	667.5	93.1	138	3 US-09-115-252-16
15	667.5	93.1	138	3 US-08-986-515-16
16	667.5	93.1	138	4 US-09-120-128-16
17	667.5	93.1	138	4 US-09-120-129-16
18	667.5	93.1	138	4 US-09-201-139-16
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21	667.5	93.1	138	4 US-08-936-4
22	667.5	93.1	138	5 PCT-US5-04636-4
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ALIGNMENTS				
RESULT 1	US-08-306-511A-4			
SEQUENCE 4, Appli	Patent No. 5962316			
SEQUENCE 4, Appli	GENERAL INFORMATION:			
SEQUENCE 6, Appli	APPLICANT: Beach, David H.			
SEQUENCE 6, Appli	APPLICANT: Demetrick, Douglas J.			
SEQUENCE 6, Appli	APPLICANT: Serrano, Manuel			
SEQUENCE 16, Appli	ATTORNEY/AGENT INFORMATION:			
SEQUENCE 16, Appli	NAME: Bannon, Gregory J.			
SEQUENCE 16, Appli	TITLE OF INVENTION: Cell-cycle Regulatory Proteins, and Uses			
SEQUENCE 16, Appli	TITLE OF INVENTION: Related Thereto			
SEQUENCE 16, Appli	NUMBER OF SEQUENCES: 11			
SEQUENCE 16, Appli	CORRESPONDENCE ADDRESS:			
SEQUENCE 16, Appli	ADDRESSEE: LAHIVE & COCKFIELD			
SEQUENCE 16, Appli	STREET: 60 State Street			
SEQUENCE 16, Appli	CITY: Boston			
SEQUENCE 16, Appli	STATE: MA			
SEQUENCE 16, Appli	COUNTRY: USA			
SEQUENCE 16, Appli	ZIP: 02109			
SEQUENCE 16, Appli	COMPUTER READABLE FORM:			
SEQUENCE 16, Appli	MEDIUM TYPE: Floppy disk			
SEQUENCE 16, Appli	COMPUTER: IBM PC compatible			
SEQUENCE 16, Appli	OPERATING SYSTEM: PC-DOS/MS-DOS			
SEQUENCE 16, Appli	SOFTWARE: ASCII(text)			
SEQUENCE 16, Appli	CURRENT APPLICATION DATA:			
SEQUENCE 16, Appli	APPLICATION NUMBER: US-08/306,511A			
SEQUENCE 16, Appli	FILING DATE: 14-SEP-1994			
SEQUENCE 16, Appli	ATTORNEY/AGENT INFORMATION:			
SEQUENCE 16, Appli	NAME: Vincent, Matthew P.			
SEQUENCE 16, Appli	REGISTRATION NUMBER: 36,709			
SEQUENCE 16, Appli	REFERENCE/DOCKET NUMBER: CST-001CP2			
SEQUENCE 16, Appli	TELECOMMUNICATION INFORMATION:			
SEQUENCE 16, Appli	TELEPHONE: (617) 227-7400			
SEQUENCE 16, Appli	TELEFAX: (617) 227-5941			
SEQUENCE 16, Appli	INFORMATION FOR SEQ ID NO: 4:			
SEQUENCE 16, Appli	SEQUENCE CHARACTERISTICS:			
SEQUENCE 16, Appli	LENGTH: 137 amino acids			
SEQUENCE 16, Appli	TYPE: amino acid			
SEQUENCE 16, Appli	TOPOLOGY: linear			
SEQUENCE 16, Appli	MOLECULE TYPE: protein			
SEQUENCE 4, Appli	Query Match 100.0%; Score 717; DB 2; Length 137;			
SEQUENCE 4, Appli	Best Local Similarity 100.0%; Pred. No. 8.1e-81;			
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RESULT 2 US-08-893-274-4 Sequence 4, Application US/08893274
; Patent No. 5968621 ; GENERAL INFORMATION:
; ; APPLICANT: Beach, David H.
; ; APPLICANT: Demerick, Douglas J.
; ; APPLICANT: Serrano, Manuel
; ; APPLICANT: Hannan, Gregory J.
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins,
; TITLE OF INVENTION: and Uses Related Thereto
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/893,274
; FILING DATE: 15-JULY-1997
; CLASSIFICATION: 800
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/4306,511
; FILING DATE: 14-SEPTEMBER-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/248,812
; FILING DATE: 25-MAY-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/4227,371
; FILING DATE: 14-APRIL-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/154,915
; FILING DATE: 18-NOVEMBER-1993
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 07/991,997
; FILING DATE: 17-DECEMBER-1992
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 07/963,308
; FILING DATE: 16-OCTOBER-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: 02307B-059910PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 832-0000
; TELEPHONE: (617) 832-7000
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 137 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; COUNTRY: USA
; ZIP: 94105-492
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release # 1.0, version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/05252
; FILING DATE: Not yet assigned
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/425,093
; FILING DATE: 17-APR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Ellen L.
; REGISTRATION NUMBER: 32,762
; REFERENCE/DOCKET NUMBER: 02307B-059910PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 136 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..136
; OTHER INFORMATION: /note= "human p15"
; PCT-US96-05252-6

Query Match 97.7% Score 700.5; DB 5; Length 136;
; Best Local Similarity 99.3%; Pred. No. 8; 7e-79; Indels 1; Gaps 1
; Matches 136; Conservative 0; Mismatches 9; 0; 1
; QY 1 MREENKGMPGGSDDEGLATPARGLVEKVRHSWAGADPNVNRFRRAIQVMMSGARV 60
; Db 1 MREENKGMPGGSDDEGLATPARGLVEKVRHSWAGADPNVNRFRRAIQVMMSGARV 60
; QY 61 AELLIHGAEPNCADPATLJRPVIDAAREGFLDTLVLRHAGRLDVRDAWGRLPVIDAE 120
; Db 61 AELLIHGAEPNCADPATLJRPVIDAAREGFLDTLVLRHAGRLDVRDAWGRLPVIDAE 120
; QY 121 ERGRDVAGYLRTATGD 137
; Db 121 ERGRDVAGYLRTATGD 137

RESULT 3 PCT-US96-05252-6 Sequence 6, Application PC/US9605252
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: p19: A Cell cycle Inhibitor
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: One Market Plaza, Steuart Street Tower
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105-492
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release # 1.0, version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/05252
; FILING DATE: Not yet assigned
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/425,093
; FILING DATE: 17-APR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Ellen L.
; REGISTRATION NUMBER: 32,762
; REFERENCE/DOCKET NUMBER: 02307B-059910PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 136 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..136
; OTHER INFORMATION: /note= "human p15"
; PCT-US96-05252-6

Query Match 97.7% Score 700.5; DB 5; Length 136;
; Best Local Similarity 99.3%; Pred. No. 8; 7e-79; Indels 1; Gaps 1
; Matches 136; Conservative 0; Mismatches 9; 0; 1
; QY 1 MREENKGMPGGSDDEGLATPARGLVEKVRHSWAGADPNVNRFRRAIQVMMSGARV 60
; Db 1 MREENKGMPGGSDDE-LATPARGLVEKVRHSWAGADPNVNRFRRAIQVMMSGARV 59

RESULT 4 US-08-474-177-16
; Sequence 16, Application US/08474177
; Patent No. 5624819
; GENERAL INFORMATION:
; APPLICANT: Skolnick, Mark H.
; APPLICANT: Cannon-Albright, Lisa A.
; TITLE OF INVENTION: GERMINE MUTATIONS IN THE MTS GENE
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/474,177
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/03537
; FILING DATE: 17-MAR-1995
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/215, 938
; FILING DATE: 01-JUN-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/215, 087
; FILING DATE: 18-MAR-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/215, 086
; FILING DATE: 18-MAR-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/227, 369
; FILING DATE: 14-APR-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/214, 582
; FILING DATE: 18-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28, 957
; REFERENCE/DOCKET NUMBER: 24884-109348-E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 138 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-474-177-16

RESULT 5 US-08-487-033-16
; Sequence 16, Application US/08487033
; Patent No. 5739027
; GENERAL INFORMATION:
; APPLICANT: Kamb, Alexander
; TITLE OF INVENTION: MTS1EN-Beta GENE
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487, 033
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/03316
; FILING DATE: 17-MAR-1995
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/251, 938
; FILING DATE: 01-JUN-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/215, 087
; FILING DATE: 18-MAR-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/227, 369
; FILING DATE: 14-APR-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/214, 582
; FILING DATE: 18-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28, 957
; REFERENCE/DOCKET NUMBER: 24884-109348-C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 138 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-487-033-16

Query Match 93.1%; Score 667.5; DB 1; Length 138;
Best Local Similarity 95.7%; Pred. No. 1e-74; Mismatches 132; Conservative 1; MisMatches 4; Indels 1; Gaps 1;

Query Match 93.1%; Score 667.5; DB 1; Length 138;
Best Local Similarity 95.7%; Pred. No. 1e-74; Mismatches 132; Conservative 1; MisMatches 4; Indels 1; Gaps 1;

1 MREENKGMSGGGSGEGLAT-PARGIVKVRHSWEAGDPNGNRFGRQIAQVMMGSAR 59

RESULT 6
US-08-480-810-16
; Sequence 16, Application US/08480810
; Patent No. 5801236
; GENERAL INFORMATION:
; APPLICANT: Kamb, Alexander
; TITLE OF INVENTION: MTS1 GENE
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,810
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/03316
; FILING DATE: 17-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/251,938
; FILING DATE: 01-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/215,087
; FILING DATE: 18-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/215,086
; FILING DATE: 18-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/227,369
; FILING DATE: 14-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/214,582
; FILING DATE: 18-MAR-1994
; ATTORNEY /AGENT INFORMATION:
; NAME: Innen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24884-109348
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4848
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 138 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 138 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

QY 1 MREENKGMPGGGSDEGLAT-PARGLVERVKRHSWEAGDPNGVNRGRRAQMMSAR 59
1 MREENKGMPGGGSDEGLASAAARGLVERVKRQLLEAGDPNGVNRGRRAQMMSAR 60
Db 60 VAELLILHGAEPNCADPATLTPVHDAAREGFLDTLVVLHRAGARLDVDAWGRLPVDA 119
61 VAELLILHGAEPNCADPATLTPVHDAAREGFLDTLVVLHRAGARLDVDAWGRLPVDA 120
QY 120 EERGHDRVAGYLRTATGD 137
Db 121 EERGHDRVAGYLRTATGD 138

RESULT 6
US-08-480-810-16
; Sequence 16, Application US/08480810
; Patent No. 5801236
; GENERAL INFORMATION:
; APPLICANT: Stone, Steven
; APPLICANT: Jiang, Ping
; APPLICANT: Kamb, Alexander
; TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF
; NUMBER OF SEQUENCES: 47
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/508,735
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US to be assigned
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/03316
; FILING DATE: 17-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Innen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24884-109348
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4848
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 138 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

QY 1 MREENKGMPGGGSDEGLAT-PARGLVERVKRHSWEAGDPNGVNRGRRAQMMSAR 59
1 MREENKGMPGGGSDEGLASAAARGLVERVKRQLLEAGDPNGVNRGRRAQMMSAR 60
Db 60 VAELLILHGAEPNCADPATLTPVHDAAREGFLDTLVVLHRAGARLDVDAWGRLPVDA 119
61 VAELLILHGAEPNCADPATLTPVHDAAREGFLDTLVVLHRAGARLDVDAWGRLPVDA 120
QY 120 EERGHDRVAGYLRTATGD 137
Db 121 EERGHDRVAGYLRTATGD 138

RESULT 7
US-08-508-735-16
; Sequence 16, Application US/08508735
; Patent No. 5843756
; GENERAL INFORMATION:
; APPLICANT: Stone, Steven
; APPLICANT: Jiang, Ping
; APPLICANT: Kamb, Alexander
; TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF
; NUMBER OF SEQUENCES: 47
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/508,735
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US to be assigned
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/03316
; FILING DATE: 17-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Innen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24884-109348
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4848
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 138 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

QY 1 MREENKGMPGGGSDEGLAT-PARGLVERVKRHSWEAGDPNGVNRGRRAQMMSAR 59
1 MREENKGMPGGGSDEGLASAAARGLVERVKRQLLEAGDPNGVNRGRRAQMMSAR 60
Db 60 VAELLILHGAEPNCADPATLTPVHDAAREGFLDTLVVLHRAGARLDVDAWGRLPVDA 119
61 VAELLILHGAEPNCADPATLTPVHDAAREGFLDTLVVLHRAGARLDVDAWGRLPVDA 120

RESULT 10

US-08-486-047-16

Sequence 16, Application US/08486047

PATENT NO. 5994095

GENERAL INFORMATION:

APPLICANT: Kamb, Alexander

TITLE OF INVENTION: MTS2 GENE

NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP

STREET: 1201 New York Avenue, Suite 1000

CITY: Washington

STATE: DC

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/486,047

FILING DATE: 07-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/03316

FILING DATE: 17-MAR-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/251,938

FILING DATE: 01-JUN-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/215,087

FILING DATE: 18-MAR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/214,582

FILING DATE: 18-MAR-1994

ATTORNEY/AGENT INFORMATION:

NAME: Ihnen, Jeffrey L.

REGISTRATION NUMBER: 28,957

REFERENCE/DOCKET NUMBER: 24384-109348-B

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-962-8300

TELEFAX: 202-371-2540

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:

LENGTH: 138 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-486-047-16

Query Match 93.1%; Score 667.5; DB 2; Length 138;

Best Local Similarity 95.7%; Pred. No. 1e-74;

Matches 132; Conservative 1; Mismatches 4; Indels 1; Gaps 1;

QY 1 MRENKGMPGGSSDEGLAT-PARGLVKEVHRSWEGADPNSVRFGRRALQVMMSAR 59

|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||

Db 1 MRENKGMPGGSSDEGLAT-PARGLVKEVHRSWEGADPNSVRFGRRALQVMMSAR 60

|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||

QY 60 VAELLILHGAEPAEPCADPATLTPVHDAREGFLDTLVLHRAGARDVDAWRGPVDA 119

|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||

Db 61 VAELLILHGAEPAEPCADPATLTPVHDAREGFLDTLVLHRAGARDVDAWRGPVDA 120

|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||

QY 120 EERGHDRVAGYLRTATGD 137

|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||:|||||||

Db 121 EERGHDRVAGYLRTATGD 138

Db

121 EERGHDRVAGYLRTATGD 138

|||||||:|||||||:|||||||:|||||||

RESULT 11

US-08-384-106A-25

Sequence 25, Application US/08384106A

PATENT NO. 6033847

GENERAL INFORMATION:

APPLICANT: Sherif Ph.D., Charles J.

APPLICANT: Downing M.D., James

APPLICANT: Hirai Ph.D., Hiroshi

APPLICANT: Okuda, Tsukasa

TITLE OF INVENTION: Ink4c-p18 and Ink4d-p19, Inhibitors of Cyclin Dependent Kinases CDK4 and CDK6, and Uses Thereof

NUMBER OF SEQUENCES: 25

CORRESPONDENCE ADDRESS:

ADDRESSEE: STEINE, KESSLER, GOLDSTEIN & FOX

STREET: 1100 NEW YORK AVE., N.W.

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/384,106A

FILING DATE: 05-FEB-1994

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Fox, Samuel L.

REGISTRATION NUMBER: 30,353

REFERENCE/DOCKET NUMBER: 0656-0500000

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-371-2600

TELEFAX: 202-371-2540

INFORMATION FOR SEQ ID NO: 25:

SEQUENCE CHARACTERISTICS:

LENGTH: 138 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLCULE TYPE: peptide

US-08-384-106A-25

Db

121 EERGHDRVAGYLRTATGD 138

|||||||:|||||||:|||||||

RESULT 12

US-09-120-130-16

Sequence 16, Application US/09120130

PATENT NO. 6037462

GENERAL INFORMATION:

APPLICANT: Kamb, Alexander

TITLE OF INVENTION: MSI1 GENE

NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

APPLICANT: Beach, David H.

APPLICANT: Demetrick, Douglas J.

APPLICANT: Serrano, Manuel

APPLICANT: Hannon, Gregory J.

ADDRESS: Venable, Baetjer, Howard & Civiletti, LLP

STREET: 1201 New York Avenue, Suite 1000

CITY: Washington

STATE: DC

ZIP: 20005

COMPILER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/120,130

FILING DATE: 01-JUN-1994

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/480,810

FILING DATE: 18-MAR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/251,938

FILING DATE: 01-JUN-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/215,087

FILING DATE: 18-MAR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/215,086

FILING DATE: 18-MAR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/227,369

FILING DATE: 14-APR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/214,582

FILING DATE: 18-MAR-1994

ATTORNEY/AGENT INFORMATION:

NAME: Ihnen, Jeffrey L.

REGISTRATION NUMBER: 28,957

REFERENCE/DOCKET NUMBER: 24884-109348

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-962-8110

TELEFAX: 202-962-8300

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:

LENGTH: 138 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-09-120-130-16

Query Match 93.1%; Score 667.5; DB 3; Length 138;

Best Local Similarity 95.7%; Pred. No. 1e-74; Matches 132; Conservative 1; Mismatches 4; Indels 1; Gaps 1;

Qy 1 MREENKGMPGGSDDEGLAT-PARGLVERKVRHISWEAGDPPGYNFRERRAQVMNGSAR 59

Dy 1 MREENKGMPGGSDDEGLASAAARGLVERKROLLEGAPGPNVFRERRAQVMNGSAR 60

Qy 60 VAELLHGAEPCNADPATLTPVDAAREGFLDTLVLRAGARDLVDANGRLPVDA 119

Dy 61 VAELLHGAEPCNADPATLTPVDAAREGFLDTLVLRAGARDLVDANGRLPVDA 120

Qy 120 EERGRHDVAGYLRTAGD 137

Dy 121 EERGRHDVAGYLRTAGD 138

Query Match 93.1%; Score 667.5; DB 3; Length 138;

Best Local Similarity 95.7%; Pred. No. 1e-74; Matches 132; Conservative 1; Mismatches 4; Indels 1; Gaps 1;

Qy 1 MREENKGMPGGSDDEGLAT-PARGLVERKVRHISWEAGDPPGYNFRERRAQVMNGSAR 59

Dy 1 MREENKGMPGGSDDEGLASAAARGLVERKROLLEGAPGPNVFRERRAQVMNGSAR 60

Qy 60 VAELLHGAEPCNADPATLTPVDAAREGFLDTLVLRAGARDLVDANGRLPVDA 119

Dy 61 VAELLHGAEPCNADPATLTPVDAAREGFLDTLVLRAGARDLVDANGRLPVDA 120

Qy 120 EERGRHDVAGYLRTAGD 137

GENERAL INFORMATION:

RESULT 13

US-08-581-918A-4

; Sequence 4, Application US/08581918A

; Patent No. 6043030

CORRESPONDENCE ADDRESS:

ADDRESSEE: Foley, Hoag & Eliot

STREET: One Post Office Square

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02109

COMPILER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Wordpad

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/581,918A

FILING DATE: 02-JAN-1996

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/497,214

FILING DATE: 30-JUN-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/346,147

FILING DATE: 29-NOV-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/306,511

FILING DATE: 14-SEP-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/248,812

FILING DATE: 25-MAY-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/227,371

FILING DATE: 14-APR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/154,915

FILING DATE: 18-NOV-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/991,997

FILING DATE: 17-DEC-1992

ATTORNEY/AGENT INFORMATION:

NAME: Vincent, Matthew P.

REGISTRATION NUMBER: 35,709

REFERENCE/DOCKET NUMBER: MTV-071.06

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 832-1299

TELEFAX: (617) 832-7000

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 138 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-581-918A-4

Db 121 EERGHDRVAGYLRTATGD 138 |||||||
 RESULT 14 ; Sequence 16, Application US/09115252
 US-09-115-252-16 ; Patent No. 6060301
 ; GENERAL INFORMATION:
 ; APPLICANT: Kamb, Alexander
 ; TITLE OF INVENTION: MTS1 GENE
 ; NUMBER OF SEQUENCES: 36
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 ; STREET: 1201 New York Avenue, Suite 1000
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20005
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/115, 252
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/480, 810
 ; FILING DATE: 07-JUN-1995
 ; APPLICATION NUMBER: PCT/US95/03316
 ; FILING DATE: 17-MAR-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/251, 938
 ; FILING DATE: 01-JUN-1994
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/215, 087
 ; FILING DATE: 18-MAR-1994
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/215, 086
 ; FILING DATE: 18-MAR-1994
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/227, 369
 ; FILING DATE: 14-APR-1994
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/214, 582
 ; FILING DATE: 18-MAR-1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Ihnen, Jeffrey L.
 ; REGISTRATION NUMBER: 28, 957
 ; REFERENCE/DOCKET NUMBER: 24884-109348
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-962-4810
 ; TELEFAX: 202-962-8300
 ; INFORMATION FOR SEQ ID NO: 16:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 138 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-09-115-252-16
 ;
 Query Match 93.1%; Score 667.5; DB 3; Length 138;
 Best Local Similarity 95.7%; Pred. No. 1e-74;
 Matches 132; Conservative 1; Mismatches 4; Indels 1; Gaps 1;
 Qy 1 MREENKGMPSSGGSDSGLAT-PARGLVEKVRHSWEAGDPNGVNRGRRAIQVMMSAR 59
 Db 1 MREENKGMPSSGGSDSGLASAAARGLVEKVRQLLEBAGADPQGVNRGRRAIQVMMSAR 60
 Qy 60 VAELLLHGAEPNCADPATLTPRVHDAAREGFLDTLVLRAGARDVDAWGRLPVDLA 119

Db 61 VABLLLHGAEPNCADPATLTPRVHDAAREGFLDTLVLRAGARDVDAWGRLPVDLA 120 |||||||
 RESULT 15 ; Sequence 16, Application US/08986515
 US-08-986-515-16 ; Patent No. 609578
 ; GENERAL INFORMATION:
 ; APPLICANT: Kamb, Alexander
 ; TITLE OF INVENTION: MTS1 GENE
 ; NUMBER OF SEQUENCES: 36
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 ; STREET: 1201 New York Avenue, Suite 1000
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20005
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/986, 515
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/480, 810
 ; FILING DATE:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/251, 938
 ; FILING DATE: 01-JUN-1994
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/215, 087
 ; FILING DATE: 18-MAR-1994
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/215, 086
 ; FILING DATE: 18-MAR-1994
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/227, 369
 ; FILING DATE: 14-APR-1994
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/214, 582
 ; FILING DATE: 18-MAR-1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Ihnen, Jeffrey L.
 ; REGISTRATION NUMBER: 28, 957
 ; REFERENCE/DOCKET NUMBER: 24884-109348
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-962-4100
 ; TELEFAX: 202-962-8300
 ; INFORMATION FOR SEQ ID NO: 16:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 138 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-986-515-16
 ;
 Query Match 93.1%; Score 667.5; DB 3; Length 138;
 Best Local Similarity 95.7%; Pred. No. 1e-74;
 Matches 132; Conservative 1; Mismatches 4; Indels 1; Gaps 1;

QY 60 VAEILLHGAEPNCADPAITRPHDAAREGFLDTLVLRAGARLUDVDAWRGLPVDLA 119
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
61 VAEILLHGAEPNCADPAITRPHDAAREGFLDTLVLRAGARLUDVDAWRGLPVDLA 120
QY 120 EERGHROVAGYLRTATGD 137
||| ||| ||| ||| ||| ||| |||
Db 121 EERGHROVAGYLRTATGD 138

Search completed: August 24, 2001, 17:48:13
Job time: 179 sec



GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: August 25, 2001, 08:00:14 ; Search time 80.13 Seconds
(without alignments)

2015.25 Million cell updates/sec

Title: US-09-016-869a-5

Perfect score: 853

Sequence: 1 GGAGTACAGCAGGGAGCA.....GATACTTTAAATGTCAA 853

Scoring table: IDENTITY.NUC

Gapop 10.0 , Gapext 1.0

Searched: 324599 seqs, 9465562 residues

Total number of hits satisfying chosen parameters: 649198

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%, Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*

1: /cgn2_5_ptodata/1/ina/5A_COMB.seq: *
2: /cgn2_6_ptodata/1/ina/5B_COMB.seq: *
3: /cgn2_6_ptodata/1/ina/6A_COMB.seq: *
4: /cgn2_6_ptodata/1/ina/6B_COMB.seq: *
5: /cgn2_6_ptodata/1/ina/PCRS_COMB.seq: *
6: /cgn2_6_ptodata/1/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	853	100.0	853	2 US-08-306-511A-5
2	853	100.0	853	2 US-08-893-274-5
3	853	100.0	853	3 US-08-581-910A-5
4	853	100.0	853	4 US-08-316-147B-5
5	853	100.0	853	4 US-08-822-936-5
6	853	100.0	853	5 PCT-US95-04636-5
7	672.8	78.9	713	1 US-08-534-975-1
8	672.8	78.9	713	2 US-08-934-470-1
9	672.8	78.9	713	3 US-09-129-855A-1
10	672.8	78.9	713	4 US-09-124-154-1
11	642	75.3	857	2 US-08-627-610-5
12	382.2	44.0	507	2 US-08-508-735-44
13	382.2	44.0	507	4 US-09-201-139-44
14	375	44.0	395	1 US-08-474-177-25
15	375	44.0	395	1 US-08-487-033-25
16	375	44.0	395	1 US-08-480-810-25
17	375	44.0	395	2 US-08-509-733-25
18	375	44.0	395	4 US-08-843-251-25
19	375	44.0	395	2 US-08-486-047-25
20	375	44.0	395	3 US-09-120-130-25
21	375	44.0	395	3 US-09-125-252-25
22	375	44.0	395	3 US-08-980-515-25
23	375	44.0	395	3 US-09-120-128-25
24	375	44.0	395	4 US-09-120-129-25
25	375	44.0	395	4 US-09-201-139-25
26	375	44.0	395	4 US-09-120-131-25
27	26.5	1131	1131	2 US-08-848-251-13
28	226	226	1131	4 US-09-201-139-13
29	224.4	224.4	1131	1 US-08-474-177-13
30	224.4	26.3	1131	1 US-08-487-033-13
31	224.4	26.3	1131	1 US-08-480-810-13
32	224.4	26.3	1131	2 US-08-848-251-13
33	224.4	26.3	1131	2 US-08-486-047-13
34	224.4	26.3	1131	3 US-09-120-130-13
35	224.4	26.3	1131	3 US-09-115-252-13
36	224.4	26.3	1131	3 US-08-986-15-13
37	224.4	26.3	1131	3 US-09-120-128-13
38	224.4	26.3	1131	4 US-09-120-129-13
39	224.4	26.3	1131	4 US-09-120-131-13
40	24.5	540	1	US-08-534-975-3
41	208.6	24.5	540	2 US-08-954-70-3
42	208.6	24.5	540	3 US-09-129-855A-3
43	208.6	24.5	540	4 US-09-247-154-3
44	162.4	19.0	393	2 US-08-508-735-45
45	162.4	19.0	393	4 US-09-201-139-45

ALIGNMENTS

RESULT 1

US-08-306-511A-5

; Sequence 5, Application US/08306511A

; GENERAL INFORMATION:

; APPLICANT: Beach, David H.

; APPLICANT: Demerrick, Douglas J.

; APPLICANT: Serrano, Manuel

; APPLICANT: Hannan, Gregory J.

; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and uses

; NUMBER OF SEQUENCES: 11

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: LAHIVE & COOKFIELD

; STREET: 60 State Street

; CITY: Boston

; STATE: MA

; COUNTRY: USA

; ZIP: 02109

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: ASCII(text)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/306,511A

; FILING DATE: 14-SEP-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Vincent, Matthew P.

; REGISTRATION NUMBER: 36,709

; REFERENCE/DOCKET NUMBER: CST-001CP2

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 227-7400

; TELEFAX: (617) 227-5941

; INFORMATION FOR SEQ ID NO: 5:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 853 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: both

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 213..587

; US-08-306-511A-5

Query Match 100.0%; Score 853; DB 2; Length 853;
Best Local Similarity 100.0%; Pred. No. 3; e=239;
Matches 853; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 241 CTCCTCTGCTCAACTACGGAGATTCGAATTGCGAGGCCACTACCTCTCCGC 240
 QY 241 CTCCTCTGCTCAACTACGGAGATTCGAATTGCGAGGCCACTACCTCTCCGC 300
 Db 241 CTCCTCTGCTCAACTACGGAGATTCGAATTGCGAGGCCACTACCTCTCCGC 300
 QY 301 CGGTGCAAGCAGCGGGGAAGGCTCTGGACAGCTGGCTGGCTGGCTGGCTGG 360
 Db 301 CGGTGCAAGCAGCGGGGAAGGCTCTGGACAGCTGGCTGGCTGGCTGGCTGG 360
 QY 361 GGCTCTGGCTGGATGTCGGGATGCTGGCTGGGCGCTGGCTGGCTGGCTGG 360
 Db 361 GGCTCTGGCTGGATGTCGGGATGCTGGCTGGGCGCTGGCTGGCTGGCTGG 420
 QY 421 GGGGACATCAAGACATCGTGCATATTGGCTCCSCTGGGGCTCTTGCTTCCG 480
 Db 421 GGGGACATCAAGACATCGTGCATATTGGCTCCSCTGGGGCTCTTGCTTCCG 360
 QY 481 GTGGCTTGTGCTACCGCTGGAAACCTGCCAGCGACGGCATAGCTTCAGCTCA 420
 Db 481 GTGGCTTGTGCTACCGCTGGAAACCTGCCAGCGACGGCATAGCTTCAGCTCA 420
 QY 541 GACGCCAGGGCCCTGGAACCTGCCAGCGACGGCATAGCTTCAGCTCA 540
 Db 541 GACGCCAGGGCCCTGGAACCTGCCAGCGACGGCATAGCTTCAGCTCA 600
 QY 601 GCCCGCCTTCTCTCTAGCTCACTCTAGCGATGCTAGGTGCTAGATGCTT 660
 Db 601 GCCCGCCTTCTCTCTAGCTCACTCTAGCGATGCTAGGTGCTAGATGCTT 660
 QY 661 TAAATATACATAATATGCTTTTGCAATCACGGGAGGAGGAGGAGGAGC 720
 Db 661 TAAATATACATAATATGCTTTTGCAATCACGGGAGGAGGAGGAGGAGC 720
 QY 721 AAGGAGGGAGGGAGGGAGGGAGGAGGAGGAGGAGGAGGAGGAGC 780
 Db 721 AAGGAGGGAGGGAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGC 780
 QY 781 GAAGGGCCGCGGAAGGGATAATGGCTGATTTAAAGAATTAAGATACTT 840
 Db 781 GAAGGGCCGCGGAAGGGATAATGGCTGATTTAAAGAATTAAGATACTT 840
 QY 841 TTAAATGCTAA 853
 Db 841 TTAAATGCTAA 853

RESULT 3

US-08-581-918A-5

Sequence 5, Application US/08581918A

GENERAL INFORMATION:

- APPLICANT: Beach, David H.
- APPLICANT: Demetrick, Douglas J.
- APPLICANT: Serriano, Manuel
- APPLICANT: Hanon, Gregory J.

TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses

TITLE OF INVENTION: Related Thereto

NUMBER OF SEQUENCES: 39

CORRESPONDENCE ADDRESS:

ADDRESSEE: Foley, Hoag & Eliot
 STREET: One Post Office Square
 CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WordPad

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/581,918A

FILING DATE: 02-JAN-1996

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/497,214

FILING DATE: 30-JUN-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/346,147

FILING DATE: 29-NOV-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/306,511

FILING DATE: 14-SEP-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/248,812

FILING DATE: 25-MAY-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/227,371

FILING DATE: 14-APR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/154,915

FILING DATE: 17-DEC-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/991,997

FILING DATE: 18-NOV-1993

ATTORNEY/AGENT INFORMATION:

NAME: Vincent Matthew P.

REGISTRATION NUMBER: 36,09

REFERENCE DOCKET NUMBER: MIV-071.06

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 832-1299

TELEFAX: (617) 832-7000

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 853 base pairs

TYPE: nucleic acid

STRANDEDNESS: both

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

- NAME/KEY: CDS
- LOCATION: 213..587

US-08-581-918A-5

Query Match 100.0%; Score 853; DB 3; Length 853;

Best Local Similarity 100.0%; Pred. No. 3.2e-239;

Matches 853; Conservatory 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGAGTACAGCAGCGGGAGCATGGTGCAGGTTCTGGTCACTGTAGGATTCAGGCC 60
 Db 1 GGAGTACAGCAGCGGGAGCATGGTGCAGGTTCTGGTCACTGTAGGATTCAGGCC 60
 Qy 61 GGCCCCCACTCCAAAGAGGGTTCTGGTGAAGTCTGGCATCCGGAGACCCAG 120
 Db 61 GGCCCCCACTCCAAAGAGGGTTCTGGTGAAGTCTGGCATCCGGAGACCCAG 120
 Qy 121 GACAGGAGCTGCCTCTGGTTCTGGTGAACATGTTGAGGGTAGAGGATCTTGAG 180
 Db 121 GACAGGAGCTGCCTCTGGTGAACATGTTGAGGGTAGAGGATCTTGAG 180
 Qy 181 AAGAGGCCGACCGGAATCTGGACAGCTGAGATGATGAGGGCAAGGTTCACGGAGCAG 240
 Db 181 AAGAGGCCGACCGGAATCTGGACAGCTGAGATGATGAGGGCAAGGTTCACGGAGCAG 240
 Qy 241 CTCTCTGCTCAACTACGGCTCAGATTCGAATCTGGACAGCTGAGATGATGAGGGCAACGTTACGGTACGG 360
 Db 241 CTCTCTGCTCAACTACGGCTCAGATTCGAATCTGGACAGCTGAGATGATGAGGGCAACGTTACGGTACGG 360
 Qy 301 CGGTGCAAGCAGCGGGAGGCTCTGGACACGGCTGGTGTGCTGGCTGGCAGCGGGTCAG 360
 Db 301 CGGTGCAAGCAGCGGGAGGCTCTGGACACGGCTGGTGTGCTGGCAGCGGGTCAG 360
 Qy 361 GGGCTGGCTGATGCGCGATGCGCTGGCTGGCTGGCTGGCTGAGTGGCCAAAGAGC 420

RESULT 5
 US-08-822-936-5 Application US/08822936
 ; Sequence 5, Patent No. 6242575
 ; GENERAL INFORMATION:
 ; APPLICANT: Masague, Joan
 ; APPLICANT: Koff, Andrew
 ; APPLICANT: Poljak, Kornelia
 TITLE OF INVENTION: Isolated P27 Protein, Nucleic Acid
 TITLE OF INVENTION: Molecules Encoding Same, Methods of Identifying Agents Acting
 TITLE OF INVENTION: and Uses of Said Agents
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Foley, Heag & Eliot, LLP
 STREET: One Post Office Square
 CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02109-2170
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/081822-936
 FILING DATE: 21-FEBRUARY-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Vincent, Matthew P
 REGISTRATION NUMBER: 36,709
 REFERENCE/DOCKET NUMBER: MIV-079.05
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 832-1000
 TELEFAX: (617) 832-0000
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 853 base Pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 213..-587
 ; US-08-822-936-5

Query Match 100.0%; Score 853; DB 4; Length 853;
 Best Local Similarity 100.0%; Pred. No. 3; 2e-2.9;
 Matches 853; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Oligo 0;
 QY 1 GGAGTACAGCAGCGGAGCATGGTCGGAGGTCTGGTCACTGTAAGGATCAGCCGC 60
 Db 1 GGACTACAGCAGCGGAGCATGGTCGGAGGTCTGGTCACTGTAAGGATCAGCCGC 60

RESULT 5
 US-08-822-936-5 Application US/08822936
 ; Sequence 5, Patent No. 6242575
 ; GENERAL INFORMATION:
 ; APPLICANT: Masague, Joan
 ; APPLICANT: Koff, Andrew
 ; APPLICANT: Poljak, Kornelia
 TITLE OF INVENTION: Isolated P27 Protein, Nucleic Acid
 TITLE OF INVENTION: Molecules Encoding Same, Methods of Identifying Agents Acting
 TITLE OF INVENTION: and Uses of Said Agents
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Foley, Heag & Eliot, LLP
 STREET: One Post Office Square
 CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02109-2170
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/081822-936
 FILING DATE: 21-FEBRUARY-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Vincent, Matthew P
 REGISTRATION NUMBER: 36,709
 REFERENCE/DOCKET NUMBER: MIV-079.05
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 832-1000
 TELEFAX: (617) 832-0000
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 853 base Pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 213..-587
 ; US-08-822-936-5

RESULT 6
 PCT-US5-04636-5 Application PC/US59504636
 ; Sequence 5, GENERAL INFORMATION:
 ; APPLICANT:
 ; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and uses
 ; NUMBER OF SEQUENCES: 10
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: ASCII(Ext)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US5/04636
 FILING DATE:

CLASSIFICATION:

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: US 08/346,147

FILING DATE: 29-NOV-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/306,511

FILING DATE: 14-SEP-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/248,812

FILING DATE: 25-MAY-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/227,371

FILING DATE: 14-APR-1994

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 853 base pairs

TYPE: nucleic acid

STRANDEDNESS: both

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE: CDS

NAME/KEY: CDS

LOCATION: 213..587

PCT-US95-04636-5

Query Match 100.0%; Score 853; DB 5; Length 853;
 Best Local Similarity 100.0%; Pred. No. 3..2e-239; Mismatches 0; Indels 0; Gaps 0;
 Matches 853; Conservative 0; Strandedness Both; Topology Linear; MolType cDNA; Feature CDS; Name/Key CDS; Location 213..587

QY 1 GGAGTACAGCAGCGGAGATGGTCGCAAGTTTGGCACATGAGATTAGCGGCCG 60
 Db 1 GGAGTACAGCAGCGGAGATGGTCGCAAGTTTGGCACATGAGATTAGCGGCCG 60
 QY 61 GGGCGCCGCACACTCCAGAGAGGGTTCTGGGAGTTCTGGTAAAGTGAGTCAG 120
 Db 61 GGGCGCCGCACACTCCAGAGAGGGTTCTGGGAGTTCTGGTAAAGTGAGTCAG 120
 QY 121 GACAGCAGGTGCGCTCTGGTTCTGGTAAAGTGAGTCAGTGGAGGGTAGA 180
 Db 121 GACAGCAGGTGCGCTCTGGTTCTGGTAAAGTGAGTCAGTGGAGGGTAGA 180
 QY 181 AAGAGGGCCACCGGAATCTGGACCAGGTGATGATGGGAACTGGTACAGTCAG 240
 Db 181 AAGAGGGCCACCGGAATCTGGACCAGGTGATGATGGGAACTGGTACAGTCAG 240
 QY 241 CTCTCTGTCTAACATACGGTGCAGATTCGACTCGGAGACCCACTACCTCTCCC 300
 Db 241 CTCTCTGTCTAACATACGGTGCAGATTCGACTCGGAGACCCACTACCTCTCCC 300
 QY 301 CGGTGACGAGCCAGCGGGAAAGCTTCTGGACACGGCTGGTGTGCAACGGTAG 360
 Db 301 CGGTGACGAGCCAGCGGGAAAGCTTCTGGACACGGCTGGTGTGCAACGGTAG 360
 QY 361 GGGCTCGGGCTGGATGGCGCATCTGGGTCTGGCTGGTGTGACTGGCCAGAGC 420
 Db 361 GGGCTCGGGCTGGATGGCGCATCTGGGTCTGGCTGGTGTGACTGGCCAGAGC 420
 QY 421 GGGACATCAAGACATCTGGCATATTGGTTGGTCTGGTGTGACTGGCCAGAGC 480
 Db 421 GGGACATCAAGACATCTGGCATATTGGTTGGTCTGGTGTGACTGGCCAGAGC 480
 QY 541 GCACGCCAGGGCCATGGAAAGCTGGCCATCTGGGTCTGGCTGGTGTGACTGG 540
 Db 541 GCACGCCAGGGCCATGGAAAGCTGGCCATCTGGGTCTGGCTGGTGTGACTGG 540
 QY 481 GTGGCTTCTTCTTCTAGCTTCACTTCAGCATGCTAGCTGCTAGCTGCTCAA 540
 Db 481 GTGGCTTCTTCTTCTAGCTTCACTTCAGCATGCTAGCTGCTAGCTGCTCAA 540
 QY 541 GCACGCCAGGGCCATGGAAAGCTGGCCATCTGGGTCTGGCTGGTGTGACTGG 540
 Db 541 GCACGCCAGGGCCATGGAAAGCTGGCCATCTGGGTCTGGCTGGTGTGACTGG 540
 QY 601 GCCGCCCTTCTTCTTCTAGCTTCACTTCAGCATGCTAGCTGCTAGCTGCTCAA 660
 Db 601 GCCGCCCTTCTTCTTCTAGCTTCACTTCAGCATGCTAGCTGCTAGCTGCTCAA 660

RESULT 7
 US-08-34-975-1
 ; Sequence 1, Application US/08534975
 ; Patent No. 572313
 ; GENERAL INFORMATION:
 ; APPLICANT: Sherri, Charles, J.
 ; APPLICANT: Quelle, Dawn, E.
 ; TITLE OF INVENTION: ARF P19, A NO. 5723313el Regulator of the Mammalian Cell
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 ; STREET: 1100 New York Avenue Suite 600
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: USA
 ; ZIP: 20005
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #11.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/534,975
 ; FILING DATE: 28-SEP-1995
 ; CLASSIFICATION: 800
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: FOX, Samuel, L.
 ; REGISTRATION NUMBER: 30..353
 ; REFERENCE/DOCKET NUMBER: 0656..0590000
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-371-2600
 ; TELEFAX: 202-371-2840
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 713 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: unknown
 ; MOLECULE TYPE: DNA (genomic)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 43..548
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 43..551
 ; US-08-34-975-1

Query Match 78.9%; Score 672.8; DB 1; Length 713;
 Best Local Similarity 99.6%; Pred. No. 9..4e-187; Mismatches 0; Indels 1; Gaps 1;
 Matches 685; Conservative 0; Strandedness Both; Topology Linear; MolType cDNA; Feature CDS; Name/Key CDS; Location 43..551

QY 1 GGAGTACAGCAGGGAGCATGGTCCAGGGCTGGTGTGACTGAGATTCAGGGC 60

Db 24 GGAGTACAGCAGGGGAGCATGGTCGAGGTCTGGTGAATGAGATTCAAGCCGC 83
 QY 61 GGGCGGCCACTCCAGAGGAGTTTGGGAACTTGCGGATCCGGAGACCCAG 120
 Db 84 GGCGCCGCACTCCAGAGAGGGTTCTGGTGAATGAGATTCAAGCCGC 143
 QY 121 GACAGCGAGCTGGCTCGGCTTGCGTACATGGTGTGAGGCTAGAGGATCTGAG 180
 Db 144 GACAGCGAGCTGGCTCGGCTTGCGTACATGGTGTGAGGATCTGAG 203
 QY 181 AAGAGGCCAACCGGAATCTCTGAGACCAGGTGATGATGAGGGCAAGGTTAOGTAGCAG 240
 Db 204 AAGAGGCCAACCGGAATCTCTGAGACCAGGTGATGAGGGCAAGGTTAOGTAGCAG 263
 QY 241 CTCTCTGCTCAACTACGGTGACATCGAGCTTGAGCTTGAGGACCCACTACCTTCTCCGGC 300
 Db 324 CGGTGACGACGACGACGGCGGAAAGGCTTCTGGACACACGCTGGTGTGAGGGTCAG 383
 QY 361 GGCCTGGCGGAGGTGCGGAGGCTGGGCGCTGGGCGCTGGCGAGGACCCACTACCTTCTCCGGC 420
 Db 384 GGCTGGCGCTGGATGCGGATGCGGATGCGCTGGGGTCCGCGCTGAGCTGGCCAGAGC 443
 QY 421 GGGACATCAAGACATCGGGGATTGGCGTCCGGCTCTTGGTCCGCT 480
 Db 444 GGGACATCAAGACATCGGGATTGGCGTCCGGCTCTTGGTCCGCT 503
 QY 481 GGTGGCTTGTGACCGCTGGGAACTGGCGCCAGACGGCATGCTTCAGCTCAA 540
 Db 504 GGTGGCTTGTGACCGCTGGGAACTGGCGCCAGACGGCATGCTTCAGCTCAA 563
 QY 541 GCACGCCAGGGCCCTGGAAACTTGGGCCAATCCAAAGAGGAGCTAAATCC-GCC 599
 Db 564 GCACGCCAGGGCCCTGGAAACTTGGGCCAATCCAAAGAGGAGCTAAATCC-GCC 623
 QY 600 AGCCCCTTCTCTCTAGCTCACTCTAGGATGCTAGGGTGTAGATGQGCT 659
 Db 624 AGCCGCCATTCTCTCTAGCTCACTCTAGGATGCTAGGGTGTAGATGQGCT 683
 QY 660 TTAAGAATCAATAAATAGCTTTTT 687
 Db 684 TTAAGAATCAATAAATAGCTTTTT 711

RESULT 8
 US-08-954-470-1
 Sequence 1: Application US/08954470
 Patent No. 587695
 GENERAL INFORMATION:
 APPLICANT: Sheir, Charles, J.
 APPLICANT: Queille, Dawn E.
 TITLE OF INVENTION: ARF p19, A No. 587695el Regulator of the
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 STREET: 1100 New York Avenue Suite 600
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20005
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-POS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/954,470
 FILING DATE:
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/7534, 975
 FILING DATE: 20-SEP-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: FOX, Samuel, L.
 REGISTRATION NUMBER: 30,353
 DOCKET NUMBER: 0655.0590000
 REFERENCE/DOCKET NUMBER: 0655.0590000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-371-2600
 TELEX/FAX: 202-371-2540
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 713 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: unknown
 MOLECULE TYPE: DNA (genomic)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 43..548
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 43..551
 US-08-954-470-1

Query Match 78 9%; Score 672.8; DB 2; length 713;
 Best Local Similarity 99.6%; Pred. No. 9.4e-187; Matches 685; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY	1	GGAGTACAGCAGGGAGCATGGTCGAGGTCTGGTCTGGTACTGTAAGGATCACGGCC	60
Db	24	GGAGTACAGCAGGGAGCATGGTCGAGGTCTGGTCTGGTACTGTAAGGATCACGGCC	83
QY	61	GGCGCCACTCCAGAGGAGGTTCTGGTGAATGAGATTCAAGCCGC 120	
Db	84	GGCGCCACTCCAGAGGAGGTTCTGGTGAATGAGATTCAAGCCGC 143	
QY	121	GACAGCGAGCTGGCTCTGGTTCTGGTGAACATGGTGTGAGGCTAGAGGATCTGAG 180	
Db	144	GACAGCGAGCTGGCTCTGGTTCTGGTGAACATGGTGTGAGGCTAGAGGATCTGAG 203	
QY	181	AAGAGGCCAACCGGAATCTCTGAGACCAGGTGATGATGAGGGCAAGGTTAOGTAGCAG 240	
Db	324	GGCTGGCGCTGGATGCGGATGCGCTGGGGTCCGCGCT 263	
QY	361	GGCTGGCGCTGGATGCGGATGCGCTGGGGTCCGCGCT 300	
Db	444	GGCTGGCGCTGGATGCGGATGCGCTGGGGTCCGCGCT 383	
QY	481	GGTGGCTTGTGACCGCTGGGAACTGGCGCCAGACGGCATGCTTCAGCTCAA 540	
Db	504	GGTGGCTTGTGACCGCTGGGAACTGGCGCCAGACGGCATGCTTCAGCTCAA 563	
QY	541	GCACGCCAGGGCCCTGGAAACTTGGGCCAATCCAAAGAGGAGCTAAATCC-GCC 599	
Db	564	GCACGCCAGGGCCCTGGAAACTTGGGCCAATCCAAAGAGGAGCTAAATCC-GCC 623	
QY	600	AGCCGCCATTCTCTAGCTCACTCTAGGATGCTAGGGTGTAGATGQGCT 659	
Db	624	AGCCGCCATTCTCTAGCTCACTCTAGGATGCTAGGGTGTAGATGQGCT 683	

RESULT 9
 US-09-129-855A-1
 ; Sequence 1, Application US/09129855A
 ; Patent No. 6046032
 ; GENERAL INFORMATION:
 ; APPLICANT: Sher, Charles, J.
 ; TITLE OF INVENTION: ARF-p19, A No. 6046032el Regulator of the Mammalian
 ; TITLE OF INVENTION: Cell Cycle
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
 ; STREET: 1100 New York Avenue Suite 600
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: USA
 ; ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/129-855A
 FILING DATE: 27-SEP-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/954,470
 FILING DATE: 20-OCT-1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/534,975
 FILING DATE: 27-SEP-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Jackson Esq., David A.
 REGISTRATION NUMBER: 26,742
 REFERENCE/DOCKET NUMBER: 1340-1-023 CIP
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 201-487-5800
 TELEFAX: 201-343-1684
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 713 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: unknown
 MOLECULE TYPE: DNA (genomic)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 43..548
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 43..551
 US-09-129-855A-1
 Query Match 78.9%; Score 672.8; DB 3; Length 713;
 Best Local Similarity 99.6%; Pred. No. 9.4e-187;
 Matches 685; Conservative 0; Mismatches 2; Indels 1; Gaps 1;
 QY 1 GGAGTACAGCAGGGGGGAGATGGTCCAGGTCTGGTCACTGTAAGATTCCGGCC 60
 QY 24 GGAGTACAGCAGGGGGAGATGGTCCAGGTCTGGTCACTGTAAGATTCCGGCC 83
 QY 61 GGCGCCGCACTCAGAGGAGTTCTCTGGTCACTGTAAGATTCCGGAGCCAG 120
 Db 84 GGCGCCGCACTCAGAGGAGTTCTCTGGTCACTGTAAGATTCCGGAGCCAG 143
 RESULT 10
 US-09-247-154-1
 ; Sequence 1, Application US/09247154
 ; Patent No. 6172194
 ; GENERAL INFORMATION:
 ; APPLICANT: Sher, Charles, J.
 ; APPLICANT: Quelle, Dawn, E.
 ; TITLE OF INVENTION: ARF-p19, A No. 6172194el Regulator of the
 ; TITLE OF INVENTION: Mammalian Cell Cycle
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 ; STREET: 1100 New York Avenue Suite 600
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: USA
 ; ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/247-154
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/954,470
 ATTORNEY/AGENT INFORMATION:
 NAME: Fox, Samuel, L.
 REGISTRATION NUMBER: 30,353

QY 121 GACAGGGAGCTGCCTCTGGGTTGGTGAACATGTTGAGGCTAGAGGATCTTGAG 180
 Db 144 GACAGGGAGCTGCCTCTGGGTTGGTGAACATGTTGAGGCTAGAGGATCTTGAG 203
 QY 181 AGAGAGGGCGGACCGGAATCTGGACCGAGGATGATGATGGAACTGTCACCTAGAG 240
 Db 204 AGAGAGGGCGGACCGGAATCTGGACCGAGGATGATGATGGAACTGTCACCTAGAG 263
 QY 241 CGCTTCTGCTTCAACTACGGTCAGATCGACTSGGAGACCCACTACTCTCCTCCGCC 300
 Db 324 CGCTTCTGCTTCAACTACGGTCAGATCGACTGCAGCTTCACGGGTCACTTCCTCCGCC 323
 QY 361 GGCTCGCTGATGTCGCGCATGGCTGGGGCGCTGGGGCGCTGGCGTCACTGGCCAAAGAC 420
 Db 384 GGCTCGCTGATGTCGCGCATGGCTGGGGCGCTGGGGCGCTGGCGTCACTGGCCAAAGAC 443
 QY 421 GGGGACATCAAGACATCGTGGATATTTGCGCTTCGCGTGGGGCGCTGGCGTCACTGGCC 480
 Db 444 GGSGGACATCAAGACATCGTGGATATTTGCGCTTCGCGTGGGGCGCTGGCGTCACTGGCC 503
 QY 481 GGCGGTTTGTGAGCTGGCTGGGAAGCTGCGCAGCAGGGGATAGCTTCAGCTCAA 540
 Db 504 GGNGTCCTTTGCTGAGCTGGCTGGACAGTCGCCCCAGACGGGGATAGCTTCAGCTCAA 563
 QY 541 GCACGCCAGGGCCCTGGAACTCGGGCAATCCAAAGACAGGGCTAAATCC-GCCRC 599
 Db 564 GCACGCCAGGGCCCTGGAACTCGGGCAATCCAAAGACAGGGCTAAATCC-GCCRC 623
 QY 600 AGCCGCCTTTCTCTCTAGCTCTACTCTAGCGATGCTAGCGATGCTAGCGTCTAACAGTGGCT 659
 Db 624 AGCCGCCTTTCTCTCTAGCTCTACTCTAGCGATGCTAGCGATGCTAGCGTCTAACAGTGGCT 683
 QY 660 TTAAAATACATAATATGCTTTTT 687
 Db 684 TTAAAATACATAATATGCTTTTT 711

REFERENCE/DOCKET NUMBER: 0656.0590000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-371-2600
 TELEFAX: 202-371-2540
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 713 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: unknown
 MOLECULE TYPE: DNA (genomic)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 43..548
 LOCATION: 43..551
 19-247-154-1

every Match	78..9%	score 672.8
1st Local Similarity	99.6%	Pred. No. 9
685; Similarity	99.6%	Mismatch: 0;
Conservative		
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61 GGGCGCGCCCACTCCAGAGAGGGTTCTCTGGCA		
84 GGCGCGCCACGCCAGAGGGTTCTCTGGCA		
121 GAGAGCGAGCTCGCTCTGGCTTGTTGACATGTT		
144 GACAGGAGCTCGCTCTGGCTTGTTGACATGTT		
181 AACAGGGCGCACCGGAATCTGGACASGTGATG		
204 AGAGGGCGCACCGGAATCTGGACCGAGGTGATG		
241 CTCCTCTGCTCACTACGGTCAGATTCGACTGCC		
264 CTCCTCTGCTCACTACGGTCAGATTCGACTGCC		
301 CGCTGACGACCGAAGCGGGAAAGCTTCTGGAC		
324 CGGIGCACGACCGAAGCGGGAAAGCTTCTGGAC		
361 GGCTCTCGTGTGATGTCGGCGATGCTGGGTCGCC		
384 GGCTCTCGTGTGATGTCGGCGATGCTGGGTCGCC		
421 GGGACATCAAGACATGGGATAATGGTCC		
444 GGGACATCAAGACATGGTCC		
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504 GGTGTCITGTGACCGCTGGAAAGTCGCCAG		
541 GCAGGCCAGGCCCTGGAACCTCGGGCAAATCC		
564 GCGAGGCCAGGCCCTGGAACCTCGGGCAAATCC		
600 AGCCGCCCTTCTCTTCTGTTACTCTAGGCC		
624 AGCCGCCCTTCTCTTACTCTAGGCC		
660 TTAAAAAATACATAATATATGTTTTTTT	687	
684 TTAAAAAATACATAATATGTTTTTTT	711	

Db 491 CCCCTGGAAACCTGCCAGCCAGGGCATAGCTCAGCTAACAGCACGCCAGGGCC 550
 QY 556 TGGACATTCGCGGCCAATCCCAAGCGAGCGAGCTAATCCGCCTCAGCCCCTTTCTT 615
 Db 551 TGGACTTCGCGCCAAATCCCAAGAGCAGCTAACCTGCCCTCAGCCCTTCTT 610
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: 126..127
 ; OTHER INFORMATION: /note= "Splice site"
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: 467..468
 ; OTHER INFORMATION: /note= "Splice site"
 ; US-08-508-735..44
 QY 616 CTTAGCTTCACTCTACCGATGCTTACGGCTGTAGATGCGCTTAAAGATAATA 675
 Db 611 CTTAGCTTCACTCTACCGATGCTTACGGCTGTAGATGCGCTTAAAGATAATA 670
 QY 676 AATGCTTTTGCAATCACGGAGGAGCAGGGAGGAGCAGAGGAGGAGCAGGGAGG 735
 Db 671 AATGCTTTTGCAATCACGGAGGAGCAGGGAGGAGCAGAGGAGGAGCAGGGAGG 730
 ; Query Match Score 382.2; DB 2; Length 507;
 ; Best Local Similarity 98.0%; Pred. No. 3.8e-102;
 ; Matches 387; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
 ; GENERAL INFORMATION:
 ; APPLICANT: Stone, Steven
 ; APPLICANT: Jiang, Ping
 ; APPLICANT: Kamb, Alexander
 ; TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF
 ; NUMBER OF SEQUENCES: 47
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 ; STREET: 1201 New York Avenue, Suite 1000
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20005
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/08/508,735
 FILING DATE: 07-JUN-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/03316
 FILING DATE: 17-MAR-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28,957
 REFERENCE DOCKET NUMBER: 24884-109348
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-4848
 TELEFAX: 202-962-8300
 INFORMATION FOR SEQ ID NO: 44:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 507 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Mus musculus

RESULT 12
 US-08-508-735..44
 ; Sequence 44, Application US/08/508,735
 ; Patent No. 5843756
 ; GENERAL INFORMATION:
 ; APPLICANT: Stone, Steven
 ; APPLICANT: Jiang, Ping
 ; APPLICANT: Kamb, Alexander
 ; TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF
 ; NUMBER OF SEQUENCES: 47
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 ; STREET: 1201 New York Avenue, Suite 1000
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20005
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/08/508,735
 FILING DATE: 07-JUN-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/03316
 FILING DATE: 17-MAR-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28,957
 REFERENCE DOCKET NUMBER: 24884-109348
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-4848
 TELEFAX: 202-962-8300
 INFORMATION FOR SEQ ID NO: 44:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 507 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Mus musculus

RESULT 13
 US-09-201-139..44
 ; Sequence 44, Application US/09/201,139
 ; Patent No. 6210949
 ; GENERAL INFORMATION:
 ; APPLICANT: Stone, Steven
 ; APPLICANT: Jiang, Ping
 ; APPLICANT: Kamb, Alexander
 ; TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF
 ; NUMBER OF SEQUENCES: 47
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 ; STREET: 1201 New York Avenue, Suite 1000
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20005
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 44:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/09/201,139
 FILING DATE:

Db 181 CTACGGGTGACATTCGAACTCGAGGACCCCACTACTTCTCCCGGCTGCACGACGC 240
Qy 314 AGCGCGGAAGSCTTCTGGACACGCTGGTGTGACCGGGCTCAGGGCTCGCTGGA 373

Db 241 AGCGCGGAAGGCTTCCTGGACACGCTGGTGTGACCGGGCTCAGGGCTCGCTGGA 300
Qy 374 TGTGCCGATGCCCTGGTGCCTGGCTGGCTGGCTGGCTGACAGGGCTCGCTGGA 433
Db 301 TGTGCCGATGCCCTGGTGCCTGGCTGGCTGGCTGGCTGACAGGGCTCGCTGGA 360

Qy 434 CATCGCGATAATTGGTCCGCTGGTCTCT 468
Db 361 CATCGCGATAATTGGTCCGCTGGTCTCT 395

RESULT 15
US-08-487-033-25
; Sequence 25, Application US/08487033

PATENT NO. 5739027

GENERAL INFORMATION:

APPLICANT: Kamb, Alexander

TITLE OF INVENTION: MTSE1-BETA GENE

NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP

STREET: 1201 New York Avenue, Suite 1000

CITY: Washington

STATE: DC

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08487,033
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 17-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/251,938
FILING DATE: 01-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,087
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,086
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 395 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO

US-08-487-033-25

Query Match 44.0%; Score 375; DB 1; Length 395;
Best Local Similarity 98.5%; Pred. No. 4.2e-100;
Matches 389; Conservative 0; Mismatches 5; Indels 1; Gaps 1;

Db 121 CGAAATCCTGGACATGATGTTGAGGTAGAGGAGACTTGAGAAGGGCAC 180
Qy 194 CGGAATCCITGACCAGGTATGATGATGATGGGAACTGACAGCTCTGCTCAA 253
Db 254 CTACGGTGCAGATTGCAACTSGAGGACCCACTACTCTCCCGGCTGAGACGC 313
Db 181 CTACGGTGCAGATTGCAACTSGAGGACCCACTACTCTCCCGGCTGAGACGC 240
Qy 314 ASGGCGGAAAGCTTCTGGACAGTGATGTTGAGGTAGAGGAGACTTGAGAAGGGCAC 193
Db 241 AGGGCGGAAAGCTTCTGGACAGTGATGTTGAGGTAGAGGAGACTTGAGAAGGGCAC 180
Qy 374 TGTGCCGATGCCCTGGGCTGCCCTGCCCTGGCTGACTTGCCCCAGGGGACATCAAGA 433
Db 301 TGTGCCGATGCCCTGGGCTGCCCTGCCCTGGCTGACTTGCCCCAGGGGACATCAAGA 373
Qy 434 CATCGCGATAATTGGTCCGCTGGTCTCT 468
Db 361 CATCGCGATAATTGGTCCGCTGGTCTCT 395

Search completed: August 25, 2001, 08:00:24
Job time: 3592 sec

Mon Aug 27 09:42:43 2001

us-09-016-869a-5.rni

Page 13



GenCore version 4.5
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OM protein - protein search, using sw model

Run on:

August 24, 2001, 17:48:13 ; Search time 25.02 seconds

(without alignments)

102.869 Million cell updates/sec

Title:

US-09-016-869A-6

Perfect score:

658

Sequence:

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197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters:

197339

Minimum DB seq length:

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Maximum DB seq length:

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	658	100.0	125	1 US-08-534-975-5	Sequence 5, Appli
2	658	100.0	125	2 US-08-954-970-5	Sequence 5, Appli
3	658	100.0	125	2 US-08-306-311A-6	Sequence 6, Appli
4	658	100.0	125	2 US-08-893-974-6	Sequence 6, Appli
5	658	100.0	125	3 US-08-581-918A-6	Sequence 6, Appli
6	658	100.0	125	3 US-09-129-955A-5	Sequence 5, Appli
7	658	100.0	125	4 US-09-247-945-5	Sequence 5, Appli
8	658	100.0	125	4 US-08-346-147B-6	Sequence 6, Appli
9	658	100.0	125	4 US-08-822-336-6	Sequence 6, Appli
10	658	100.0	125	5 RCT-US95-036-6	Sequence 6, Appli
11	658	100.0	167	2 US-08-627-910-6	Sequence 6, Appli
12	658	100.0	168	2 US-08-508-335-46	Sequence 46, Appli
13	658	100.0	168	4 US-09-201-139-46	Sequence 46, Appli
14	510	77.5	127	3 US-08-581-918A-14	Sequence 6, Appli
15	510	77.5	127	4 US-08-346-147B-14	Sequence 6, Appli
16	449	68.2	85	3 US-08-581-918A-9	Sequence 39, Appli
17	449	68.2	85	4 US-08-346-147B-39	Sequence 39, Appli
18	330	50.2	105	1 US-08-474-977-14	Sequence 14, Appli
19	330	50.2	105	1 US-08-487-033-14	Sequence 14, Appli
20	330	50.2	105	1 US-08-480-810-14	Sequence 14, Appli
21	330	50.2	105	2 US-08-508-735-14	Sequence 14, Appli
22	330	50.2	105	2 US-08-848-551-14	Sequence 14, Appli
23	330	50.2	105	2 US-08-486-947-14	Sequence 14, Appli
24	330	50.2	105	3 US-09-120-130-14	Sequence 14, Appli
25	330	50.2	105	3 US-09-115-252-14	Sequence 14, Appli
26	330	50.2	105	3 US-08-986-515-14	Sequence 14, Appli
27	330	50.2	105	4 US-09-120-128-14	Sequence 14, Appli

ALIGNMENTS

28	330	50.2	105	4 US-09-120-129-14	Sequence 14, Appli
29	330	50.2	105	4 US-09-201-139-14	Sequence 14, Appli
30	330	50.2	105	4 US-09-120-131-14	Sequence 14, Appli
31	330	50.2	105	4 US-08-154-915-4	Sequence 15, Appli
32	330	50.2	148	3 US-08-384-106A-16	Sequence 24, Appli
33	330	50.2	148	3 US-08-384-106A-24	Sequence 4, Appli
34	330	50.2	148	5 PCT-US93-09945-4	Sequence 2, Appli
35	330	50.2	156	1 US-08-47-177-2	Sequence 2, Appli
36	330	50.2	156	1 US-08-487-033-2	Sequence 2, Appli
37	330	50.2	156	1 US-08-480-810-2	Sequence 2, Appli
38	330	50.2	156	2 US-08-508-735-2	Sequence 2, Appli
39	330	50.2	156	2 US-08-627-610-2	Sequence 2, Appli
40	330	50.2	156	2 US-08-306-511A-2	Sequence 2, Appli
41	330	50.2	156	2 US-08-893-274-2	Sequence 2, Appli
42	330	50.2	156	2 US-08-486-251-2	Sequence 2, Appli
43	330	50.2	156	3 US-08-486-047-2	Sequence 2, Appli
44	330	50.2	156	3 US-09-120-130-2	Sequence 2, Appli
45	330	50.2	156	3 US-08-581-918A-2	Sequence 2, Appli

RESULT 1
 US-08-534-975-5
 Sequence 5, Application US/08534975
 Patent No. 5723313
 GENERAL INFORMATION:
 APPLICANT: Sherr, Charles, J.
 TITLE OF INVENTION: ARF-PI9, A No. 5723313el Regulator of the Mammalian Cell
 NUMBER OF INVENTION: Cycle
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 STREET: 1100 New York Avenue Suite 600
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20005

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patientin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/534,975
 FILING DATE: 28-SEP-1995
 CLASSIFICATION: 800
 ATTORNEY/AGENT INFORMATION:
 NAME: Fox, Samuel, L.
 REGISTRATION NUMBER: 30,353
 REFERENCE/DOCKET NUMBER: 0656.0590000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-371-2600
 TELEFAX: 202-371-2440
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 125 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

Query Match: Best Local Similarity 100.0%; pred. No. 1. le-72; Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MMAGNVHVAALLNYGADSNEDPTFSRPYDAAREGFLDTLVWLGSRDVRDWA
 Db 1 MMAGNVHVAALLNYGADSNEDPTFSRPYDAAREGFLDTLVWLGSRDVRDWA

RESULT 2
US-08-954-470-5
; Sequence 5, Application US/08954470
; Patent No. 5876965
; GENERAL INFORMATION:
; APPLICANT: Sheri, Charles, J.
; APPLICANT: Quelle, Dawn, E.
; TITLE OF INVENTION: ARF-P19, A NO. 5876965el Regulator of the
; TITLE OF INVENTION: Mammalian Cell Cycle
; NUMBER OF SEQUENCES: 12
; NUMBER OF SEQUENCES: 12
; NUMBER OF SEQUENCES: 11
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LATIVE & COCKFIELD
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/954,470
; FILING DATE: 28-SEP-1995
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/534,975
; ATTORNEY/AGENT INFORMATION:
; NAME: FOX, Samuel L.
; REGISTRATION NUMBER: 30,353
; REFERENCE/DOCKET NUMBER: 0056.0590000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-306-511A-6

Query Match 100%; Score 658; DB 2; Length 125;
Best Local Similarity 100%; Pred. No. 1.e-72; Indels 0; Gaps 0;
Matches 125; Conservative

QY 1 MMGNVNVHALLNYGADSNCEDPPTFSRPVHDAAREGFLDTLVLHGSGARLDVDAWG 60
Db 1 MMGNVNVHALLNYGADSNCEDPPTFSRPVHDAAREGFLDTLVLHGSGARLDVDAWG 60

QY 61 RLPLDQAERGHODIVRLSAGCSLCAGNSLCTAGNVAQTGDGHSSSTPRAELRGQ 120
Db 61 RLPLDQAERGHODIVRLSAGCSLCAGNSLCTAGNVAQTGDGHSSSTPRAELRGQ 120

QY 121 SQEQS 125
Db 121 SQEQS 125

RESULT 3
US-08-306-511A-6

Query Match 100%; Score 658; DB 2; Length 125;
Best Local Similarity 100%; Pred. No. 1.e-72; Indels 0; Gaps 0;
Matches 125; Conservative

QY 1 MMGNVNVHALLNYGADSNCEDPPTFSRPVHDAAREGFLDTLVLHGSGARLDVDAWG 60
Db 1 MMGNVNVHALLNYGADSNCEDPPTFSRPVHDAAREGFLDTLVLHGSGARLDVDAWG 60

QY 61 RLPLDQAERGHODIVRLSAGCSLCAGNSLCTAGNVAQTGDGHSSSTPRAELRGQ 120
Db 61 RLPLDQAERGHODIVRLSAGCSLCAGNSLCTAGNVAQTGDGHSSSTPRAELRGQ 120

QY 121 SQEQS 125
Db 121 SQEQS 125

RESULT 4
US-08-893-274-6
; Sequence 6, Application US/08893274
; Patent No. 5968921
; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Demetrick, Douglas J.
; APPLICANT: Serriano, Manuel
; APPLICANT: Hannan, Gregory J.
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
; TITLE OF INVENTION: Related Thereto
; NUMBER OF SEQUENCES: 10
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square

CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: ASCII(text)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/893, 274
 FILING DATE: 15-JULY-1997
 CLASSIFICATION: 800

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/306, 511
 FILING DATE: 14-SEPTEMBER-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/248, 812
 FILING DATE: 25-MAY-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/227, 371
 FILING DATE: 14-APRIL-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/7963, 308
 FILING DATE: 16-OCTOBER-1992

ATTORNEY/AGENT INFORMATION:

NAME: Vincent, Matthew P.
 REGISTRATION NUMBER: 36,709

REFERENCE/DOCKET NUMBER: MTV-071..09

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 832-1000
 TELEFAX: (617) 832-7000
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 125 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-893-274-6

Query Match 100.0%; Score 658; DB 2; Length 125;
 Best Local Similarity 100.0%; Pred. No. 1.1e-72;
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MMGMGNVVAALLNLYGADSNCEDPFTSRPVHDAREGFLDTLWLGSGARLDVRDAG 60
 Db 1 MMMGNVVAALLNLYGADSNCEDPFTSRPVHDAREGFLDTLWLGSGARLDVRDAG 60

Qy 61 RPLPLAQERGHQDITVYRLSAGCSLCAGWSLCTAGNVAQTDOGSFSSTPRALELRQ 120
 Db 61 RPLPLAQERGHQDITVYRLSAGCSLCAGWSLCTAGNVAQTDOGSFSSTPRALELRQ 120

Qy 121 SQEQS 125
 Db 121 SQEQS 125

RESULT 5
 US 08-581-918A-6
 Sequence 6, Application US/08581918A
 ; General Information:
 ; Applicant: Beach, David H.
 ; Applicant: Demetrick, Douglas J.
 ; Applicant: Seranno, Manuel
 ; Applicant: Hannan, Gregory J.

TITLE OF INVENTION: Cell-cycle Regulatory Proteins, and Uses
 NUMBER OF SEQUENCES: 39
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Foley, Hoag & Eliot
 STREET: One Post Office Square
 CITY: Boston
 STATE: MA
 ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WordPad

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/581, 918A
 FILING DATE: 02-JAN-1996
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/497, 214
 FILING DATE: 30-JUN-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/248, 812
 FILING DATE: 29-NOV-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/306, 511
 FILING DATE: 14-SEP-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/227, 371
 FILING DATE: 14-APR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/7963, 308
 FILING DATE: 16-OCTOBER-1992

ATTORNEY/AGENT INFORMATION:

NAME: Vincent, Matthew P.
 REGISTRATION NUMBER: 36,709

REFERENCE/DOCKET NUMBER: MTV-071..09

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 832-1000
 TELEFAX: (617) 832-7000
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 125 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-581-918A-6

Query Match 100.0%; Score 658; DB 3; Length 125;
 Best Local Similarity 100.0%; Pred. No. 1.1e-72;
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MMGNVVAALLNLYGADSNCEDPFTSRPVHDAREGFLDTLWLGSGARLDVRDAG 60
 Db 1 MMGNVVAALLNLYGADSNCEDPFTSRPVHDAREGFLDTLWLGSGARLDVRDAG 60

Qy 61 RPLPLAQERGHQDITVYRLSAGCSLCAGWSLCTAGNVAQTDOGSFSSTPRALELRQ 120
 Db 61 RPLPLAQERGHQDITVYRLSAGCSLCAGWSLCTAGNVAQTDOGSFSSTPRALELRQ 120

Qy 121 SQEQS 125
 Db 121 SQEQS 125

RESULT 121
 US 08-581-918A-6
 Sequence 6, Application US/08581918A
 ; General Information:
 ; Applicant: Beach, David H.
 ; Applicant: Demetrick, Douglas J.
 ; Applicant: Seranno, Manuel
 ; Applicant: Hannan, Gregory J.

RESULT 6 ;
 US-09-129-855A-5 ;
 Sequence 5, Application US/09129855A
 ;
 Patent No. 6046032 ;
 GENERAL INFORMATION:
 ; APPLICANT: Sher, Charles, J.
 ; TITLE OF INVENTION: ARF-p19, A No. 6046032e1 Regulator of the Mammalian
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
 ; STREET: 1100 New York Avenue Suite 600
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: USA
 ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/129,855A
 FILING DATE: 20-OCT-1997
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/954,470
 FILING DATE: 27-SEP-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/534,975
 FILING DATE: 20-OCT-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Jackson Esq., David A.
 REGISTRATION NUMBER: 26,742
 REFERENCE/DOCKET NUMBER: 1340-1-023 CIP
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 201-487-5800
 TELEFAX: 201-343-1684
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 125 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-129-855A-5
 Query Match 100 %; Score 658; DB 3; Length 125;
 Best Local Similarity 100%; Pred. 1.1e-72; Gaps 0;
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MMGMGNVHVAALLNYGADSNCEDPPTFSRVPVHDAAREGFLDTLVVLHGSGARLDYDANG 60
 Db 1 MMGMGNVHVAALLNYGADSNCEDPPTFSRVPVHDAAREGFLDTLVVLHGSGARLDYDANG 60
 QY 61 RLPLDLAQERGHODIVRLRSAGCSLCSAGNSLCTAGNAQTDGHSSSTPRAELRGQ 120
 Db 61 RLPLDLAQERGHODIVRLRSAGCSLCSAGNSLCTAGNAQTDGHSSSTPRAELRGQ 120
 QY 121 SQEoS 125
 Db 121 SQEoS 125
 RESULT 8 ;
 US-08-346-147B-6 ;
 Sequence 6, Application US/08346147B
 ;
 Patent No. 621134 ;
 GENERAL INFORMATION:
 ; APPLICANT: Beach, David H.
 ; APPLICANT: Demetrick, Douglas J.
 ; APPLICANT: Serrano, Manuel
 ; APPLICANT: Hannan, Gregory J.
 ; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
 ; NUMBER OF SEQUENCES: 47
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Foley, Haag & Eliot
 ; STREET: One Post Office Square
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: USA
 ZIP: 02109

RESULT 7 ;
 US-09-247-154-5 ;
 Sequence 5, Application US/09247154
 ;
 Patent No. 6172194 ;
 GENERAL INFORMATION:
 ; APPLICANT: Sher, Charles, J.
 ; APPLICANT: Queille, Dawn, E.
 ; TITLE OF INVENTION: ARF-p19, A No. 6172194e1 Regulator of the the

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Wordpad

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/346,147B
 FILING DATE: 29 NOV-1994
 CLASSIFICATION: 514

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/306,511
 FILING DATE: 14-SEP-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/248,812
 FILING DATE: 25-MAY-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,371
 FILING DATE: 14-APR-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/154,915
 FILING DATE: 18-NOV-1993

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/991,997
 FILING DATE: 17-DEC-1992

ATTORNEY/AGENT INFORMATION:
 NAME: Vincent, Matthew P.
 REGISTRATION NUMBER: 36,709

TELECOMMUNICATION INFORMATION:
 REFERENCE/DOCKET NUMBER: MIV-071.04
 TELEPHONE: (617) 832-1299

TELEFAX: (617) 832-7000

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:
 LENGTH: 125 amino acids

PRIOR APPLICATION DATA:
 LENGTH: 125 amino acids

TOPLOGY: linear

MOLECULE TYPE: protein
 US-08-346-147B-6

Query Match 100 %; Score 658; DB 4; Length 125;
 Best Local Similarity 100 %; Pred. No. 1.1e-72;
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MMGNVHVAALLNNYGADSNCEDEPTFSRVDHDAAREGFLDTLVHLHSGARLDYDAWG 60
 Db 1 MMGNVHVAALLNNYGADSNCEDEPTFSRVDHDAAREGFLDTLVHLHSGARLDYDAWG 60

Qy 61 RLPDLAQERGHODIVRLRSAGCSLCSAGWSLTAGNVAQDGHFRSSSPRALELRQ 120
 Db 61 RLPDLAQERGHODIVRLRSAGCSLCSAGWSLTAGNVAQDGHFRSSSPRALELRQ 120

Qy 121 SQEoS 125
 Db 121 SQEoS 125

RESULT 9
 US-08-822-936-6

GENERAL INFORMATION:
 Sequence 6, Application US/08822936
 Patient No. 6242575

APPLICANT:
 Applicant: Massague, Joan
 Applicant: Robert, James M.

APPLICANT:
 Applicant: Koff, Andrew
 Applicant: Poljak, Kornelia

TITLE OF INVENTION: Isolated P27 Protein, Nucleic Acid
 TITLE OF INVENTION: Molecules Encoding Same, Methods of Identifying Agents Acting
 NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Foley Hoag & Eliot, LLP
 STREET: One Post Office Square

CITY: BOSTON
 STATE: MA
 COUNTRY: USA
 ZIP: 02109-2170

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/822,936
 FILING DATE: 21-FEBRUARY-1997

ATTORNEY/AGENT INFORMATION:
 NAME: Vincent, Matthew P.
 REGISTRATION NUMBER: 36,709

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 832-1000
 TELEFAX: (617) 832-7000

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:
 LENGTH: 125 amino acids

TYPE: amino acid

TOPLOGY: linear

MOLECULE TYPE: protein
 US-08-822-936-6

Query Match 100 %; Score 658; DB 4; Length 125;
 Best Local Similarity 100 %; Pred. No. 1.1e-72;
 Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MMGNVHVAALLNNYGADSNCEDEPTFSRVDHDAAREGFLDTLVHLHSGARLDYDAWG 60
 Db 1 MMGNVHVAALLNNYGADSNCEDEPTFSRVDHDAAREGFLDTLVHLHSGARLDYDAWG 60

Qy 61 RLPDLAQERGHODIVRLRSAGCSLCSAGWSLTAGNVAQDGHFRSSSPRALELRQ 120
 Db 61 RLPDLAQERGHODIVRLRSAGCSLCSAGWSLTAGNVAQDGHFRSSSPRALELRQ 120

Qy 121 SQEoS 125
 Db 121 SQEoS 125

RESULT 10
 PCT-US95-04636-6

SEQUENCE 6, Application PC/TUS9504636
 GENERAL INFORMATION:
 APPLICANT:
 TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
 TITLE OF INVENTION: Related Thereto
 NUMBER OF SEQUENCES: 10

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: ASCII(text)

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/04636
 FILING DATE:
 CLASSIFICATION:

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/346,147
 FILING DATE: 29-NOV-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/306,511
 FILING DATE: 14-SEP-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/248,812
 FILING DATE: 25-MAY-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,371

FILING DATE: 14-APR-1994
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 125 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 PCP-US95-04636-6

Query Match 100.0%; Score 658; DB 2; Length 125;
 Best Local Similarity 100.0%; Pred. No. 1.7e-72; Mismatches 0;
 Matches 125; Conservative 0; Indels 0; Gaps 0;

Qy 1 MMGNVHVAALLNYGADSNCEDPTTFSRPVIDAREGFLDTLVVLHGSGARLDVDAWG 60
 Db 1 MMGNVHVAALLNYGADSNCEDPTTFSRPVIDAREGFLDTLVVLHGSGARLDVDAWG 60

Qy 61 RLPLDQAERGHODIVYRLSAGCSCLCSAGNSLCTAGNVAQTGDGHSSSPRALLELRQ 120
 Db 61 RLPLDQAERGHODIVYRLSAGCSCLCSAGNSLCTAGNVAQTGDGHSSSPRALLELRQ 120

Qy 121 SQEoS 125
 Db 121 SQEoS 125

RESULT 11
 US-08-627-610-6
 Sequence 6, Application US/08627610

Patent No. 5919997
 GENERAL INFORMATION:
 APPLICANT: Beach, David H.
 APPLICANT: Serrano, Manuel
 APPLICANT: Depinho, Ronald A.
 TITLE OF INVENTION: Transgenic Animals Having Modified Cell-cycle
 TITLE OF INVENTION: Regulation
 NUMBER OF SEQUENCES: 13
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lahrive & COCKFIELD
 STREET: 60 State Street
 CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02109

COMPUTER READABLE FORM:
 COMPUTER TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patientin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/508,735
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/08/508,735
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28,957
 REFERENCE/DOCKET NUMBER: 24884-109348
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-8948
 TELEFAX: 202-962-8300

INFORMATION FOR SEQ ID NO: 46:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 168 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ORIGINAL SOURCE:
 ORGANISM: Mus musculus
 US-08-508-735-46

Query Match 100.0%; Score 658; DB 2; Length 168;
 Best Local Similarity 100.0%; Pred. No. 1.7e-72; Mismatches 0;
 Matches 125; Conservative 0; Indels 0; Gaps 0;

Qy 1 MMGNVHVAALLNYGADSNCEDPTTFSRPVIDAREGFLDTLVVLHGSGARLDVDAWG 60
 Db 44 MMGNVHVAALLNYGADSNCEDPTTFSRPVIDAREGFLDTLVVLHGSGARLDVDAWG 60

RESULT 13
 US-09-201-139-46
 Sequence 46, Application US/09201139
 Patent No. 6210949
 GENERAL INFORMATION:
 APPLICANT: Stone, Steven
 APPLICANT: Jiang, Ping
 APPLICANT: Kamb, Alexander
 TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF
 NUMBER OF SEQUENCES: 47
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 STREET: 1201 New York Avenue, Suite 1000
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/201,139
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/508,735
 FILING DATE:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/03316
 FILING DATE: 17-MAR-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28,957
 REFERENCE/DOCKET NUMBER: 24884-109348
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-952-4848
 TELEFAX: 202-962-8300
 INFORMATION FOR SEQ ID NO: 46:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 168 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ORIGINAL SOURCE:
 ORGANISM: Mus musculus
 US-09-201-139-46

Query Match 100 %; Score 658; DB 4; Length 168;
 Best Local Similarity 100 %; Pred. No. 1.7e-72; Mismatches 125; Conservative 0; Indels 0; Gaps 0;

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 Db 44 MMGNVNVHAALLNTGAGDSNCEDPPTFSRVHDAAREGFDLTLYVLHGSGARLVWDANG 103
 QY 61 RLPLDLAQERGHQDVYRLRSAGCSCLCSAGWSLCTAGNVAQTGDHSFSSSTPRAELRGQ 120
 Db 104 RLPLDLAQERGHQDVYRLRSAGCSCLCSAGWSLCTAGNVAQTGDHSFSSSTPRAELRGQ 163

RESULT 14
 US-08-581-918A-14
 Sequence 14, Application US/08581918A
 Patent No. 6043030
 GENERAL INFORMATION:
 APPLICANT: Beach, David H.
 APPLICANT: Demetrick, Douglas J.
 APPLICANT: Serrano, Manuel
 APPLICANT: Hannan, Gregory J.
 TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
 NUMBER OF SEQUENCES: 39
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Foley, Hoag & Eliot
 STREET: One Post Office Square
 CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02109
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WordPad
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/581,918A
 FILING DATE: 02-JAN-1996
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/497,214
 FILING DATE: 30-JUN-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/346,147
 FILING DATE: 29-NOV-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/427,371
 FILING DATE: 14-SEP-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/248,812
 FILING DATE: 25-MAY-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,371
 FILING DATE: 17-DEC-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Vincent, Matthew P.
 REGISTRATION NUMBER: 36,709
 REFERENCE/DOCKET NUMBER: MIV-071-06
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 822-1299
 TELEFAX: (617) 832-7000
 INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 127 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-581-918A-14

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 Best Local Similarity 81.1%; Pred. No. 1.2e-24; Indels 2; Gaps 2;
 Mismatches 103; Conservative ; FRAGMENT TYPE: peptide
 Matches 103; ; Internal

Qy 1 MMGNVHVAALLNYGADNSCEDP-TFSRPHDAAREGFLDTLVLHGSARDYRDW 59
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 Best Local Similarity 81.1%; Pred. No. 1.2e-54; Indels 2; Gaps 2;
 Mismatches 103; Conservative ; Internal

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 Db 61 GRPLDIAQERGHQDIVRLRSA-GCSLCAGWSLCTAGNVAQTQDGHSFSSSTPRAELR 120

Qy 119 GOSQEQS 125
 Db 121 GOSQEQS 127

RESULT 15
 US-08-346-147B-14
 Sequence 14 Application US/08346147B
 Patent No. 621134

GENERAL INFORMATION:

APPLICANT: Beach, David H.
 APPLICANT: Demetrick, Douglas J.
 APPLICANT: Serrano, Manuel
 APPLICANT: Hannon, Gregory J.

TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
 TITLE OF INVENTION: Related Thereto

NUMBER OF SEQUENCES: 47

CORRESPONDENCE ADDRESS:

ADDRESSEE: Foley, Hoag & Eliot
 STREET: One Post Office Square
 CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Wordpad

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/346,147B
 FILING DATE: 29-NOV-1994
 CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/306,511
 FILING DATE: 14-SEP-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/248,812
 FILING DATE: 25-MAY-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,371
 FILING DATE: 14-APR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/154,915
 FILING DATE: 18-NOV-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/991,997
 FILING DATE: 17-DEC-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Vincent, Matthew P.
 REGISTRATION NUMBER: 36,709
 REFERENCE DOCKET NUMBER: MIV-071.04
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 832-1299
 TELEFAX: (617) 832-7000
 INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 127 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear

Search completed: August 24, 2001, 17:48:13
 Job time: 179 sec

MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-346-147B-14

Query Match 77.5%; Score 510; DB 4; Length 127;
 Best Local Similarity 81.1%; Pred. No. 1.2e-54; Indels 2; Gaps 2;
 Mismatches 103; Conservative ; Internal

Qy 1 MMGNVHVAALLNYGADNSCEDP-TFSRPHDAAREGFLDTLVLHGSARDYRDW 59
 Db 1 MMGNVHVAALLNYGADNSCEDP-TFSRPHDAAREGFLDTLVLHGSARDYRDW 60

Qy 60 GRPLDIAQERGHQDIVRLRSA-GCSLCAGWSLCTAGNVAQTQDGHSFSSSTPRAELR 118
 Db 61 GRPLDIAQERGHQDIVRLRSA-GCSLCAGWSLCTAGNVAQTQDGHSFSSSTPRAELR 120

Qy 119 GOSQEQS 125
 Db 121 GOSQEQS 127

Mon Aug 27 09:42:48 2001

us-09-016-869a-6.rai




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; FEATURE:
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; LOCATION: 41..508
; US-08-306-511A-1

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; Percent Similarity: 100.000 Percent Identity: 100.000

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17 athAlaAlaAlaAlaArgGlyArgValGluLysAlaLysLeuLeuGluA 34
| CACGGCCGGCCGGGGTCGGTAGAGGAGGTGGGGCGCGCTGGAG 140
91 CGGGGGCACCAAGGGAGGTACCATGCCGCATAGATGCCCGAGGT 490

34 lalGlyGlyThrArgGlySerAsnHisAlaArgIleAspAlaIlaGlyL 150
| CACGGCCGGCCGGGGTCGGTAGAGGAGGTGGGGCGCGCTGGAG 140
151 ProSerAspIleProasp 156
| CCCCACACATCCCCAT 508

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seq_documentation_block:
; Sequence 1, Application US/08306511A
; Patent No. 5982316

; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Demetrick, Douglas J.
; APPLICANT: Serrano, Manuel
; APPLICANT: Hannon, Gregory J.

; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII{text}
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08306,511A
; FILING DATE: 14-SEP-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: CCSI-001CP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 994 base Pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA

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; FEATURE:
; NAME/KEY: CDS
; LOCATION: 41..508
; US-08-306-511A-1

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Align seq 1/1 to: US-08-306-511A-1 from: 1 to: 994

1 MetaspProAlaLalaGlySerSerMetCluProSerAlaAspTrpIleAl 17
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17 athAlaAlaAlaAlaArgGlyArgValGluLysAlaLysLeuLeuGluA 34
| CACGGCCGGCCGGGGTCGGTAGAGGAGGTGGGGCGCGCTGGAG 140
91 CGGGGGCACCAAGGGAGGTACCATGCCGCATAGATGCCCGAGGT 490

34 lalGlyGlyThrArgGlySerAsnHisAlaArgIleAspAlaIlaGlyL 150
| CACGGCCGGCCGGGGTCGGTAGAGGAGGTGGGGCGCGCTGGAG 140
151 ProSerAspIleProasp 156
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seq_documentation_block:
; Sequence 1, Application US/08306511A
; Patent No. 5982316

; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Demetrick, Douglas J.
; APPLICANT: Serrano, Manuel
; APPLICANT: Hannon, Gregory J.

; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: POLEY, HOAG & ELIOT LLP
; STREET: One Post office Square
; CITY: Boston

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STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII (text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/893, 274
FILING DATE: 15-JULY-1997
CLASSIFICATION: 800
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/306, 511
FILING DATE: 14-SEPTEMBER-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/248, 812
FILING DATE: 25-MAY-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/227, 371
FILING DATE: 14-APRIL-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/154, 915
FILING DATE: 18-NOVEMBER-1993
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/991, 997
FILING DATE: 17-DECEMBER-1992
PRIORITY APPLICATION DATA:
TELEPHONE: (617) 832-1000
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 994 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 41..508
US-08-893-274-1

alignment_scores:
Quality: 800.00 Length: 156
Percent Similarity: 100.000 Gaps: 0 Identity: 100.000

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1 MetAspProAlaAlaGlySerSerMetGluProSerAlaAspPheLeuAl 17
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91 CACGCCGCCGCCGGTGGTAGAGGAGGGTGGCTGCTGGAG 140
34 lavaAlaIleuProAsnAlaProSerSetTyrglyArgArgProIleIn 50
141 CGGtrGCGCGCCCAACGCCACGGATAAGTACGGCTGGAGGCCGATCCAG 190
51 ValMetMetMetGlySerIlaArgValAlaGluIleLeuLeuLeuHisG 67

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seq_documentation_block:
; Sequence 1, Application US/08581918A
; Patent No. 6043030
; GENERAL INFORMATION:
; APPLICANT: Beach, David H.
; APPLICANT: Demerick, Douglas J.
; APPLICANT: Seranno, Manuel
; APPLICANT: Hannan, Gregory J.
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
; TITLE OF INVENTION: Related Thereto
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley, Hoag & Eliot
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: wordpad
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/581, 918A
; FILING DATE: 02-JAN-1996
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/497, 214
; FILING DATE: 30-JUN-1995
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/346, 147
; FILING DATE: 29-NOV-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/306, 511
; FILING DATE: 14-SEP-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/248, 812
; FILING DATE: 25-MAY-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/227, 371
; FILING DATE: 14-APR-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/154, 915

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241 CGCGAGCCACTGGCGAACCGCACTTCACCGACCGTGCACG 290
84 spalaAlaLaaarglyArgLysPheLeuAspThrLeuValValisArgAla 100
291 ACGCAGCCGGAGGGCTCTGGACAGCTGTTGGCTGACCGGGCC 340
101 GlyAlaArgLeuAspValArgAspAlaTrpGlyArgLeuProValAspLe 117
341 GGGGGCGGAGCTGGAGTCGGCGATGCCCGCCGCTGGCGTGGACCT 390
117 uAlaGluGluleuLglyHisArgAspValAlaArgTyruLeuArgAlaAla 134
391 GCTGAGGGCTGGCCATGCCATGTCACGGTACTGGCGGCCCTG 440
134 IagIgLygIgThraRgLygIgSerAspHisAlaArgLeuSpaAlaLagLgly 150
441 CGGGGGGACCAAGGGAGTAACTGCCGATAGTGCCGGGAAGGT 490
151 ProSerAspLeroAsp 156
491 CCCTCAGACATCCCGAT 508

FILING DATE: 18-NOV-1993
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/991, 997
 FILING DATE: 17-DEC-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Vincent, Matthew P.
 REGISTRATION NUMBER: 36,709
 REFERENCE/DOCKET NUMBER: MIV-071.06
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 832-1299
 TELEFAX: (617) 832-7000
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 994 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 Percent Similarity: 100.000
 LOCATION: 41..508
 US-08-581-918A-1

alignment_scores:
 Quality: 800.00 Length: 156,
 Ratio: 5.128 Gaps: 0
 Percent Similarity: 100.000 Identity: 100.000

alignment_block:
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 Align seg 1/1 to: US-08-581-918A-1 from: 1 to: 994

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 |||||ATGGATCGGGGGGGGAGCAGCTGGACCTGGCTGACTGCCTGGC 90
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 91 CACGGCCGCCGCCGGGTCTGGTAGAGGGTGGGGCCCTGGAGG 140

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 141 CGGTGGCGCTGCCAACGACCGGATGATGTCAGGGTGGAGGCCGATCCAG 190

51 ValMetMetMetGlySerAlaArgValAlaGluLeuLeuLeuLeuLeuLeuHisG 67
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291 ACGGCTGCCGGGAGGGCTCTGGACACGCTGGGGTGCACCGGGCC 340

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441 CGGGGGGGCACCAGGGCAGTAACCATGCCGATAGTGCGCGGAGGT 490

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117 uAlaGluGluLeuGlyHisArgSpaAlaArgLgLyLeuArgAlaAla 134
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491 CCCTCAGACATCCCGAT 508

seq_name: /cgn2_6/ptodata/1/ina/6B_COMB.seq:US-08-346-147B-1
 seq_documentation_block:
 ; Sequence 1, Application US/08346147B
 ; Patent No. 6211334
 ; GENERAL INFORMATION:
 ; APPLICANT: Beach, David H.
 ; APPLICANT: Demetrick, Douglas J.
 ; APPLICANT: Sirrano, Manuel
 ; APPLICANT: Hannan, Gregory J.
 ; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
 ; NUMBER OF SEQUENCES: 47
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Foley, Hoag & Eliot
 ; STREET: One Post Office Square
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02109
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE:
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; COMPUTER: IBM PC compatible
 ; SOFTWARE: WordPad
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/346, 147B
 ; FILING DATE: 29-NOV-1994
 ; CLASSIFICATION: 514
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/306, 511
 ; FILING DATE: 14-SEP-1994
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/248, 812
 ; FILING DATE: 25-MAY-1994
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 ; APPLICATION NUMBER: US 08/227, 371
 ; FILING DATE: 14-APR-1994
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 ; APPLICATION NUMBER: US 08/154, 915
 ; FILING DATE: 18-NOV-1993
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/991, 997
 ; FILING DATE: 17-DEC-1992
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Vincent, Matthew P.
 ; REGISTRATION NUMBER: 36,709
 ; REFERENCE/DOCKET NUMBER: MIV-071.04
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 832-1299
 ; TELEFAX: (617) 832-7000
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 994 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: both
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; FEATURE:
 ; NAME/KEY: CDS
 ; Percent Similarity: 100.000
 ; LOCATION: 41..508
 ; US-08-346-147B-1

alignment_scores:
 Quality: 800.00 Length: 156,
 Ratio: 5.128 Gaps: 0
 Percent Similarity: 100.000 Identity: 100.000

alignment_block:
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APPLICANT: Cell-Cycle Regulatory Proteins, and Uses
 TITLE OF INVENTION: Related Thereto
 NUMBER OF SEQUENCES: 10
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: ASCII (text)
 CURRENT APPLICATION DATA:
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 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/346,147
 FILING DATE: 29-NOV-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/306,511
 FILING DATE: 14-SEP-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/248,812
 FILING DATE: 25-MAY-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,371
 FILING DATE: 14-APR-1994
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 994 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 41..508
 PCT-US95-04636-1

alignment_scores:
 Quality: 800.00 Length: 156
 Ratio: 5.128 Gaps: 0
 Percent Similarity: 100.000 Identity: 100.000

alignment_block:
 US-09-016-869A-2 x PCT-US95-04636-1 ..

Align seg 1/1 to: PCT-US95-04636-1 from: 1 to: 994

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51 ValMetMetMetGluSerAlaArgAlaAlaGluLeuLeuLeuLeuHisG1 67
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67 YAlaGluProAsnCysAlaAspProAlaLthrLeuIhrArgProValHisa 84
 241 CGCGGAGCCGAACTGGCCGACCTCTCACCGACCCGTCACGG 290

84 SpalAlaArgGluGlyPheeuApThrLeuValValleuHisArgAla 100
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seq_name: /cgn2_6/ptodata/1/ina/5A_COMB.seq:US-08-474-177-1
 seq_documentation_block:
 ; sequence 1, Application US/08474177
 ; GENERAL INFORMATION:
 ; APPLICANT: Skolnick, Mark H.
 ; APPLICANT: Cannon-Albright, Lisa A.
 ; APPLICANT: Kamb, Alexander
 ; TITLE OF INVENTION: GERMMLINE MUTATIONS IN THE MTS GENE
 ; NUMBER OF SEQUENCES: 36
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Verable, Baetjer, Howard & Civiletti, LLP
 ; STREET: 1201 New York Avenue, Suite 1000
 ; CITY: Washington
 ; STATE: DC
 ; COUNTY: USA
 ; ZIP: 20005

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/03537
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/0474,177
 FILING DATE: 17-MAR-1995

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/251,938
 FILING DATE: 01-JUN-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,087
 FILING DATE: 18-MAR-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,086
 FILING DATE: 18-MAR-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,369
 FILING DATE: 14-APR-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/214,582
 FILING DATE: 18-MAR-1994

ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28, 957
 REFERENCE/DOCKET NUMBER: 24884-109348-E
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-4810
 TELEFAX: 202-962-8300

INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 471 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear

341 GGGGGCCGGCTGGAGCTGGCCGATGCCCTGGGGCTGGACCT 390
 117 uAlaGluGluLeuGlyHsSArgGpvalAlaArgTyruAlaGalaAla 134
 391 GGCTGAGGAGTGGGCCATCGGAGTGGCACTGGCGGCTGG 440
 134 1aGlyGlyThrArgGlySerAsnHsAlaArgIleAspAlaAlaGluGly 150
 441 CGGGGGCACCCAGGCACTAACCATGGCCATAGATGCCGGAGGT 490
 151 ProSerAspIleProAsp 156
 491 CCCTCAGACATCCCCGAT 508

|||||||||||||||||||||||||||||||||||||||||||||||||||||

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|||||

MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..471
; US-08-474-177-1

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; Quality: 789.00 Length: 156
; Ratio: 5.090 Gaps: 0
Percent Similarity: 99.359 Percent Identity: 98.718

alignment_block:
; alignment_block_id: US-09-016-869A-2 x US-08-474-177-1 ..
; seq_name: /cgn2_6/ptodata/1/ina/5A_COMB.seq;US-08-487-033-1

seq_documentation_block:
; Sequence 1, Application US/08487033
; General Information:
; Patent No. 5739027
; Applicant: Kamb, Alexander
; Title of Invention: MISE1-Beta GENE
; Number of Sequences: 36
; Correspondence Address:
; Addressee: Venable, Baetjer, Howard & Civiletti, LLP
; Street: 1201 New York Avenue, Suite 1000

Align seg 1/1 to: US-08-474-177-1 from: 1 to: 471

1 MetAspProAlaAlaGlySerSerMetGluProSerAlaAspTyrPheAla
; ATGGAGCCGGGGGGGGAGCAGCTTCGGCTGAGGGGTGGGGGCCTGCGAGG 17
; 1 ATGGAGCCGGGGGGGGAGCAGCTTCGGCTGAGGGGTGGGGGCCTGCGAGG 50

17 athralaAlaAlaAlaArgGlyargValGluGluValArgAlaLeuIeuGluA 34
; |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:||| 51
; CACGGCGGCCGCCCCGGGTCGGTAGAGGGGTGGGGGCCTGCGAGG 100

34 IaValAlaLeuProAsnAlaProAsnSerTyrGlyArgArgProIleGln 50
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; CGGGGGGCGTGGCCAAACGACCGAGATGTTACGGTGGAGGGCCGATCCAG 150

51 ValMetMetMetMetGlySerAlaArgAlaLagluLeuLeuLeuLeuLeuHisG1 67
; |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:||| 151
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67 yAlaGluProAsnCysAlaAspProAlaThrLeuThrArgProValHisa 84
; |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:||| 201
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; |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:||| 251
; AGCTTGCCGGAGGCTTCTGGACACGGCTGGTGGTGCACGGGGCC 300

101 GlyAlaArgLeuAspValArgAspAlaTrpGlyArgLeuIeuValAspLe 117
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; CGGGGGCACCGAGGCACTAGATGCCGCATAGATGCCGGGAAGT 450

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; |||||:|||||:|||||:|||||:||| 451 CCCTCAGACATCCCGAT 468

seq_name: /cgn2_6/ptodata/1/ina/5A_COMB.seq;US-08-487-033-1

align_scores:
; Quality: 789.00 Length: 156
; Ratio: 5.090 Gaps: 0
Percent Similarity: 99.359 Percent Identity: 98.718

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1 MetAspProAlaAlaGlySerSerMetGluProSerAlaAspTyrPheAla
; ATGGAGCCGGGGGGGGAGCAGCTTCGGCTGAGGGGTGGGGGCCTGCGAGG 17
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APPLICATION NUMBER: US 08/214,582
 FILING DATE: 18-MAR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28,957
 REFERENCE/DOCKET NUMBER: 24884-109348
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-4810
 TELEFAX: 202-962-8300
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 471 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 FEATURE: CDS
 NAME/KEY: CDS
 LOCATION: 1..471
 US-08-480-810-1

Name: /cgn2_6/podata/1/ina/5A_COMB.seq;US-08-480-810-1
 Documentation block:
 Sequence 1, Application US/08480810
 Patent No. 5801236

GENERAL INFORMATION:
 APPLICANT: Kamb, Alexander
 TITLE OF INVENTION: MTS1 GENE
 NUMBER OF SEQUENCES: 36
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 STREET: 1201 New York Avenue, Suite 1000
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005

COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patientin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/480,810
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/03316
 FILING DATE: 17-MAR-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/251,938
 FILING DATE: 01-JUN-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,087
 FILING DATE: 18-MAR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,369
 FILING DATE: 14-APR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,086
 FILING DATE: 18-MAR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,369
 FILING DATE: 14-APR-1994
 PRIOR APPLICATION DATA:
 ALIGNMENT SCORES:
 QUALITY: 789.00 LENGTH: 156
 RATIO: 5.090 GAPS: 0
 PERCENT SIMILARITY: 99.359 PERCENT IDENTITY: 98.718
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 34 lavalAlaLeuProAsnAlaProAsnSerTyrglyargArgProleGln 50
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51 ValMetMetMetGlySerAlaArgAlaLysArgLysArgValAlaLys
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67 yAlaGluProAsnCysAlaAspProAlaLysArgAlaLysArgLys
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84 SPAlaAlaArgGlyGlyPhleuAspThrLeuValValuHsargala 100
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117 uAlaGluGluLeuGlyHiSArgAspAlaArgAlaLysArgLysArg
 351 GGCTGAGGAATCTGGCCACATCGCATAGTCCGGCATAGTCCGGGAGGT 400

134 LaGlyGlyLysArgLysSerAsnAlaLysArgLysAspAlaAlaLys
 401 CGGGGGCACAGAGGAGCACTAACCATGGCCATAGTCCGGGAGGT 450

151 ProserAspIlePtpoasp 156

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; Sequence 1, Application US/08508735
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; GENERAL INFORMATION:
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; APPLICANT: Stone, Steven
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; APPLICANT: Jiang, Ping
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; APPLICANT: Kamb, Alexander
```

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; TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF
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; NUMBER OF SEQUENCES: 47
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; CORRESPONDENCE ADDRESS:
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```
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
```

```
; STREET: 1201 New York Avenue, Suite 1000
```

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; CITY: Washington
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; STATE: DC
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; COUNTRY: USA
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; ZIP: 20005
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; COMPUTER READABLE FORM:
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; COMPUTER: IBM PC compatible
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; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: Patent-In Release #1.0, Version #1.30
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; CURRENT APPLICATION DATA:
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; APPLICATION NUMBER: US/08/508,735
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; FILING DATE:
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; CLASSIFICATION: 435
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; PRIOR APPLICATION DATA:
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; APPLICATION NUMBER: US to be assigned
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; FILING DATE: 07-JUN-1995
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; PRIOR APPLICATION DATA:
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; APPLICATION NUMBER: PCT/US95/03316
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; FILING DATE: 17-MAR-1995
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```
; ATTORNEY / AGENT INFORMATION:
```

```
; NAME: Ihnen, Jeffrey L.
```

```
; REGISTRATION NUMBER: 28,957
```

```
; REFERENCE/DOCKET NUMBER: 21884-109348
```

```
; TELECOMMUNICATION INFORMATION:
```

```
; TELEPHONE: 202-962-4848
```

```
; TELEFAX: 202-962-8300
```

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; INFORMATION FOR SEQ ID NO: 1:
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; SEQUENCE CHARACTERISTICS:
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; LENGTH: 471 base pairs
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; TYPE: nucleic acid
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; STRANDEDNESS: double
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; TOPOLOGY: linear
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; MOLECULE TYPE: cDNA
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; HYPOTHETICAL: NO
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; ANTI-SENSE: NO
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; ORIGINAL SOURCE:
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; ORGANISM: Homo sapiens
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; FEATURE:
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; NAME/KEY: CDS
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; LOCATION: 1..471
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; FEATURE:
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; NAME/KEY: misc_feature
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; OTHER INFORMATION: /note= "Splice site"
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1 ATGGAGCCGGGGGGGGAGCAAGCATGGGCCTTCGGCTGACTGGCTGGC 50
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17 aThrAlaAlaAlaArgGlyArgValGluGluValArgAlaLeuLeuLeu 34  
51 CACGCCCGGGCCGGCCACGCCACGAACTACGGTGTGGAGCTGGCTGCTG 100
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51 ValMetMetMetGlySerAlaArgValAlaGluLeuLeuLeuLeuLeuHis 67  
151 GTCACTGATGATGGCGACGCCAGTGCGAGCTGCTGCTGCTGCCACGG 200
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67 YalaGluProAsnCysAlaAspProAlaThrLeuThrArgProValAla 84  
201 CGCGGAGCCAACTGCCGCACTGCCGACCGACTCTGCGCTG 250
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84 SPALAAlaArgGluGlyPhelLeuAspHrLeuValValLeuHisArgAla 100  
301 GGGCGCGGCCGCTGGAGCTGCGCTGCGCTGCCCTGGACCT 350
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117 ValAlaGluLeuGlyHisArgAspValAlaArgTyRleuArgAlaAla 134  
351 GGCTGAGGAAGCTGGCCACGCCAACGGCACTAACATGCCGATAGATGCCGGAGGT 400
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; Sequence 1, Application US/08848251
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; General Information:
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```
; APPLICANT: Skolnick, Mark H.
```

```
; APPLICANT: Cannon Albright, Lisa A.
```

```
; APPLICANT: Kamb, Alexander
```

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; TITLE OF INVENTION: GERMLINE MUTATIONS IN THE MTS GENE AND
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; TITLE OF INVENTION: METHOD FOR DETECTING PREDISPOSITION TO CANCER AT THE MTS
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; NUMBER OF SEQUENCES: 36
```

```
; CORRESPONDENCE ADDRESS:
```

```
; ADDRESS: Venable, Baetjer, Howard & Civiletti, LLP
```

```
; STREET: 1201 New York Avenue, Suite 1000
```

```
; CITY: Washington
```

```
; STATE: DC
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```
; COUNTRY: USA
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; ZIP: 20005
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; COMPUTER READABLE FORM:
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; MEDIUM TYPE: Floppy disk
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; COMPUTER: IBM PC compatible
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; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: Patent-In Release #1.0, Version #1.30
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; CURRENT APPLICATION DATA:
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; APPLICATION NUMBER: US/08/848,251
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; FILING DATE:
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CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/474,083
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: PCT/US95/03537
; FILING DATE: 17-MAR-1995
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/251,938
; FILING DATE: 01-JUN-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/215,087
; FILING DATE: 18-MAR-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/215,086
; FILING DATE: 18-MAR-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/227,369
; FILING DATE: 14-APR-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/214,582
; FILING DATE: 18-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28, 957
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-8300
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 471 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..471
; US-08-848-251-1
; alignment_scores:
; Quality: 789.00 Length: 156
; Ratio: 5.090 Gaps: 0
; Percent Similarity: 99.359 Percent Identity: 98.718
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; US-09-016-869A-2 x US-08-848-251-1 ..
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; ||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
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; seq_documentation_block:
; ; Sequence 1, Application US/08486047
; ; Patent No. 5994095
; ; GENERAL INFORMATION:
; ; APPLICANT: Kain, Alexander
; ; TITLE OF INVENTION: MMS2 GENE
; ; NUMBER OF SEQUENCES: 36
; ; CORRESPONDENCE ADDRESS:
; ; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; ; STREET: 1201 New York Avenue, Suite 1000
; ; CITY: Washington
; ; STATE: DC
; ; COUNTRY: USA
; ; ZIP: 20005
; ; COMPUTER READABLE FORM:
; ; MEDIUM TYPE: Floppy disk
; ; COMPUTER: IBM PC compatible
; ; OPERATING SYSTEM: PC-DOS/MS-DOS
; ; SOFTWARE: Patentin Release #1.0, Version #1.30
; ; CURRENT APPLICATION DATA:
; ; APPLICATION NUMBER: US/08/486,047
; ; FILING DATE: 07-JUN-1995
; ; CLASSIFICATION: 435
; ; PRIORITY APPLICATION DATA:
; ; APPLICATION NUMBER: PCT/US95/03316
; ; FILING DATE: 17-MAR-1995
; ; PRIORITY APPLICATION DATA:
; ; APPLICATION NUMBER: US 08/251,938
; ; FILING DATE: 01-JUN-1994
; ; PRIORITY APPLICATION DATA:
; ; APPLICATION NUMBER: US 08/215,087
; ; FILING DATE: 18-MAR-1994
; ; PRIORITY APPLICATION DATA:
; ; APPLICATION NUMBER: US 08/215,086
; ; FILING DATE: 18-MAR-1994
; ; PRIORITY APPLICATION DATA:
; ; APPLICATION NUMBER: US 08/227,369
; ; FILING DATE: 14-APR-1994
; ; PRIORITY APPLICATION DATA:
; ; APPLICATION NUMBER: US 08/214,582
; ; FILING DATE: 18-MAR-1994
; ; ATTORNEY/AGENT INFORMATION:
; ; NAME: Ihnen, Jeffrey L.
; ; REGISTRATION NUMBER: 28, 957
; ; REFERENCE/DOCKET NUMBER: 24884-109348-B
; ; TELECOMMUNICATION INFORMATION:
; ; TELEPHONE: 202-962-8300
; ; TELEFAX: 202-962-8300
; ; INFORMATION FOR SEQ ID NO: 1:

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,086
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,369
 FILING DATE: 14-ARR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/214,582
 FILING DATE: 18-MAR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28,957
 REFERENCE/DOCKET NUMBER: 24884-109348
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-8100
 TELEX/FAX: 202-962-8300
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 471 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..471
 ; US-09-115-252-1

alignment_scores:
 Quality: 789.00 Length: 156
 Percent Similarity: 5.090 Gaps: 0
 Percent Identity: 99.359

Percent Similarity: 99.359 Percent Identity: 98.718

alignment_block:
 US-09-016-869A-2 x US-09-115-252-1 ..

Align seg 1/1 to: US-09-115-252-1 from: 1 to: 471

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117 uAlaGluGluLeuGluLyHisATGAspValAlaArgTrileuArgAla 134
 101 GlyAlaArgLeuAspValArgAspAlaTrpGlyArgLeuProValAsp 117
 301 GGCGCCGCCGCTGGACGCGGGCTGGCGATGGCTGGGGGGGGGGGGGGGG 350

134 IaGlyGlyThrArgGlySerAlaNHnisAlaArgTrileuSpaAlaGlyGly 150
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151 ProSerAspIleProAsp 156

451 CCCTCAGACATCCCCGAT 468

seq_name: /cgn2_6/ptodata/r1/ina/6A_COMB.seq:US-09-115-252-1

seq_documentation_block:

; Sequence 1, Application US/09115252

; Patent No. 6060301

GENERAL INFORMATION:

APPLICANT: Kamb, Alexander
 TITLE OF INVENTION: MTS1 GENE
 NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 STREET: 1201 New York Avenue, Suite 1000
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/115,252
 FILING DATE: 17-MAR-1995
 CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/480,810
 FILING DATE: 07-JUN-1995
 APPLICATION NUMBER: PCT/US95/03316
 FILING DATE: 17-MAR-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/251,938
 FILING DATE: 01-JUN-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/215,087
 FILING DATE: 18-MAR-1994

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us-09-016-869a-4.p2n.rni

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FILING DATE: 16-OCTOBER-1992
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MIV-071.09
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 832-1000
FAX: (617) 832-0000
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 87 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 328..738
US-08-8933-274-3

APPLICANT: Skolnick, Mark H.
 APPLICANT: Cannon, Albright, Lisa A.
 APPLICANT: Kamb, Alexander
 TITLE OF INVENTION: GERMINE MUTATIONS IN THE MTS GENE
 NUMBER OF SEQUENCES: 36
 CORRESPONDENCE ADDRESS:
 ADDRESSE: Venable, Baetjer, Howard & Civiletti, LLP
 STREET: 1201 New York Avenue, Suite 1000
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/474,177
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/03537
 FILING DATE: 17-MAR-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/251,938
 FILING DATE: 01-JUN-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,087
 FILING DATE: 18-MAR-1994
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 APPLICATION NUMBER: US 08/215,086
 FILING DATE: 18-MAR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,369
 FILING DATE: 14-APR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/214,582
 FILING DATE: 18-MAR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28,957
 REFERENCE/DOCKET NUMBER: 24884-109348-E
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-4810
 TELEFAX: 202-962-8300
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 751 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 335..751
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 ; Patent No. 573027
 ; GENERAL INFORMATION:
 APPLICANT: Kamb, Alexander
 TITLE OF INVENTION: MTS1-Beta GENE
 NUMBER OF SEQUENCES: 36
 CORRESPONDENCE ADDRESS:
 ADDRESSE: Venable, Baetjer, Howard & Civiletti, LLP
 STREET: 1201 New York Avenue, Suite 1000
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/487,033
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/03316
 FILING DATE: 17-MAR-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/251,938
 FILING DATE: 01-JUN-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,087
 FILING DATE: 18-MAR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,086
 FILING DATE: 18-MAR-1994

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Percent Similarity: 97.101 Percent Identity: 95.652

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seq_documentation_block:
; Sequence 15, Application US/08508735

; Patent No. 5843755
GENERAL INFORMATION:

APPLICANT: Stone, Steven
APPLICANT: Jiang, Ping
APPLICANT: Kamb, Alexander
TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF
NUMBER OF SEQUENCES: 47

CORRESPONDENCE ADDRESS:
ADDRESSE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington, DC
COUNTRY: USA

ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patient In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/508,735
FILING DATE:
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US to be assigned
FILING DATE: 07-JUN-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 17-MAR-1995

ATTORNEY/AGENT INFORMATION:

NAME: Ihnen, Jeffrey L.

REGISTRATION NUMBER: 28,957

REFERENCE/DOCKET NUMBER: 24884-109348

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-962-8300

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:
LENGTH: 751 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: 335..751

FEATURE:

NAME/KEY: misc_feature

LOCATION: 490..491

OTHER INFORMATION: /note= "Splice site"
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Quality: 667.50 Length: 138
Ratio: 4.981 Gaps: 1

Percent Similarity: 97.101 Percent Identity: 95.652

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 Patent No. 598915
 GENERAL INFORMATION:
 APPLICANT: Skolnick, Mark H.
 APPLICANT: Cannon-Albright, Lisa A.
 APPLICANT: Kamb, Alexander
 TITLE OF INVENTION: GERMINE MUTATIONS IN THE MTS GENE AND
 TITLE OF INVENTION: METHOD FOR DETECTING PREDISPOSITION TO CANCER AT THE MTS
 TITLE OF INVENTION: GENE
 NUMBER OF SEQUENCES: 36
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 STREET: 1201 New York Avenue, Suite 1000
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/848, 251
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/474, 083
 FILING DATE: 07-JUN-1995
 APPLICATION NUMBER: PCT/US95/03537
 FILING DATE: 17-MAR-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/251, 938
 FILING DATE: 01-JUN-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/215, 087
 FILING DATE: 18-MAR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/215, 086
 FILING DATE: 18-MAR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/227, 369
 FILING DATE: 14-APR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/214, 582
 FILING DATE: 18-MAR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28, 957
 REFERENCE/DOCKET NUMBER: 24884-109348-G
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-982-4810
 TELEFAX: 202-962-8300
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 751 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 FEATURE: CDS
 NAME/KEY: CDS

; LOCATION: 335..751
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 Sequence 15, Application US/0886047
 Patent No. 598095
 GENERAL INFORMATION:
 APPLICANT: Kamb, Alexander
 TITLE OF INVENTION: MTS2 GENE
 NUMBER OF SEQUENCES: 36
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 STREET: 1201 New York Avenue, Suite 1000
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/486, 047

FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/03316
 FILING DATE: 17-MAR-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/251, 938
 FILING DATE: 01-JUN-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/215, 086
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/227, 369
 FILING DATE: 14-APR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/214, 582
 FILING DATE: 18-MAR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Innen, Jeffrey L.
 REGISTRATION NUMBER: 28 957
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-4810
 TELEFAX: 202-962-6300
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 751 base pairs
 TYPE: nucleic acid
 ORGANISM: Homo sapiens
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 335..751
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 ; Sequence 15, Application US/09120130
 ; Patent No. 6037662
 ; GENERAL INFORMATION:
 ; APPLICANT: Ramb, Alexander
 ; TITLE OF INVENTION: MTS1 GENE
 ; NUMBER OF SEQUENCES: 36
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Verable, Baetjer, Howard & Civiletti, LLP
 ; STREET: 1201 New York Avenue, Suite 1000
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/120,130
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 APPLICATION NUMBER: US 08/215, 086
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/227, 369
 FILING DATE: 14-APR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/214, 582
 FILING DATE: 18-MAR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Innen, Jeffrey L.
 REGISTRATION NUMBER: 28 957
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-4810
 TELEFAX: 202-962-6300
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 751 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear

MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 335..751
 ; US-09-120-130-15

alignment_scores:
 Quality: 667.50 Length: 138
 Ratio: 4.981 Gaps: 1
 Percent Similarity: 97.101 Percent Identity: 95.652

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GENERAL INFORMATION:
 Patent No: 6060301
 APPLICANT: Kamb, Alexander
 TITLE OF INVENTION: MTS1 GENE
 NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 STREET: 1201 New York Avenue, Suite 1000
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005 .

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 Quality: 667.50 Length: 138
 Ratio: 4.981 Gaps: 1
 Percent Similarity: 97.101 Percent Identity: 95.652

alignment_block:
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Align seg 1/1 to: US-09-115-252-15 from: 1 to: 751

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 17 YleuAlaThr...ProAlaArgGlyLeuValGluLysValArgHisSerT 33
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 385 TCTGCCAGGGCGGGGGGAGCTAGTGGAGAAGGTGCACAGCTCC 434
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 33 rPGLuAlaGlyAlaAspProAsnGlyValAsnArgPheGlyArgArgAla 49
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4.35 TGGAGCGGGGGGATCCANCGGAGCAACGGTTTGGGAGGCCGCGC 484

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635 CGGGCGGGGGCGCTGGACGTCGGCATGCCCTGGGCTCGTGGCGT 684

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seq_name: /cgn2_6/ptodata/1/ina/6A_COMB.seq:US-08-986-515-15

seq_documentation_block:

; Sequence 15, Application US/09986515

Patent No. 6,090578

GENERAL INFORMATION:

APPLICANT: Kamb, Alexander

TITLE OF INVENTION: MMS1 GENE

NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP

STREET: 1201 New York Avenue, Suite 1000

CITY: Washington

STATE: DC

country: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/986,515

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/480,810

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/251,938

FILING DATE: 01-JUN-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/215,087

FILING DATE: 18-MAR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/215,086

FILING DATE: 18-MAR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/227,369

FILING DATE: 14-APR-1994

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-962-4810

TELEFAX: 202-962-8300

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 751 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOROIDAL: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION:

335..751

US-08-986-515-15

alignment_scores:

Quality	Length
667.50	138
Ratio: 4.981	Gaps: 1
Percent Similarity: 97.101	Percent Identity: 95.652

alignment_block:

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17 YLeuAlaThr...ProAlaArgGlyLeuValGlyLeuValArgHissert 33

385 TCTGGCAGGCCGGCGCCGGGGACTAGGGAGAGGTCGGACAGCTCC 434

33 rPGLuAlaGlyAlaAspProAsnGlyValAsnArgPheGlyArgAla 49

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50 IleGlnValMetMetMetGlySerAlaArgValAlaGluLeuLeuLeu 66

635 ATCCAGGTCACTGATGATGGCACGCCGCGCTGGCGGASCTGCTGCTGCT 534

66 uHISAspAlaLagluproAsnCysAlaAspProAlaThrLeuThrArgPro 83

535 CCACGGGGGGGGCCAACTGGCAGACCTCTCCACCCGACCG 584

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Patent No. 6,40473

GENERAL INFORMATION:

APPLICANT: Kamb, Alexander

TITLE OF INVENTION: MTS2 GENE
 NUMBER OF SEQUENCES: 36
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 STREET: 1201 New York Avenue, Suite 1000
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
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 APPLICATION NUMBER: US/09/120,128
 FILING DATE: US/09/120,128
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/08/486,047
 FILING DATE: 07-JUN-1995
 APPLICATION NUMBER: PCT/US95/03316
 FILING DATE: 17-MAR-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/251,938
 FILING DATE: 01-JUN-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,087
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,086
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,369
 FILING DATE: 14-APR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/214,582
 FILING DATE: 18-MAR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28,957
 REFERENCE/DOCKET NUMBER: 24884-109348-B
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-8300
 TELEFAX: 202-962-8300
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 751 base Pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 335..751
 US-09-120-128-15

alignment_scores:
 Q Ratio: 667.50 Length: 138
 Percent Similarity: 97.101 Gaps: 1
 Identity: 95.652

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 ; Patent No. 6180776
 ; GENERAL INFORMATION:
 ; APPLICANT: Kamb, Alexander
 ; TITLE OF INVENTION: MTS2 GENE
 ; NUMBER OF SEQUENCES: 36
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
 ; STREET: 1201 New York Avenue, Suite 1000
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/120,129
 FILING DATE:
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/486,047
 FILING DATE: 07-JUN-1995
 APPLICATION NUMBER: PCT/US95/03316
 FILING DATE: 17-MAR-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/251,938
 FILING DATE: 01-JUN-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,087
 FILING DATE: 18-MAR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/215,086

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 485 ATCCAGGTCAATGATGATGCGCAGGCCGCGTGGAGCTGCTGCGCT 534
 50 IlegInvalMetMetMetGlyverAlaArgValAlaGluIleLeule 66
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 735 CAGCCACGGGGAC 748

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/214,582

FILING DATE: 18-MAR-1994

ATTORNEY/AGENT INFORMATION:

NAME: Ihnen, Jeffrey L.

REGISTRATION NUMBER: 28,957

REFERENCE/DOCKET NUMBER: 24884-109348-B

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-962-4810

TELEX: 202-962-8300

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 751 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: 335..751

9-120-129-15

enment_scores:

Quality:	667.50	Length:	138
Ratio:	4.981	Gaps:	1
cent. Similarity:	97.101	Percent Identity:	95.652

rnent_block:

09-016-869A-4 x US-09-120-129-15 ..

gn seg 1/1 to: US-09-120-129-15 from: 1 to: 751

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17 Yleu Ala Thr ... Pro Ile Arg Gln Val Glu Iys Val Arg His Ser T 33

385 TCTGCCACGGCGGGCGGGAGTAGTGAGAGGTGAGACAGCTC 434

33 rpgIuaIaglyAlaAspProAsnGlyIvalAsnArgPheGlyArgArgAla 49

435 TGGAAGCCGGCGCGGATCCAACTGGAGTCACCGTTGGAGGGCGCG 484

50 IleGlnValMetMetGluSerAlaArgValAlaGluLeuLeuLeu 66

485 ATCCAGGTCATGATGATGGCAGGCCGGTGGGAGCTGCGCTGCT 534

66 uHsGlyAlaGluPrasncysAlaAspProAlaThrLeuThrArgProV 83

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; Sequence 15, Application US/09201139

; GENERAL INFORMATION:

APPLICANT: Stone, Steven

APPLICANT: Jiang, Ping

APPLICANT: Kamb, Alexander

TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF

NUMBER OF SEQUENCES: 47

CORRESPONDENCE ADDRESS:

ADDRESSEE: Verbal, Baetjer, Howard & Civiletti, LLP

STREET: 1201 New York Avenue, Suite 1000

CITY: Washington

STATE: DC

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/201,139

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/508,735

FILING DATE:

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/03316

FILING DATE: 17-MAR-1995

ATTORNEY/AGENT INFORMATION:

NAME: Ihnen, Jeffrey L.

REGISTRATION NUMBER: 28,957

REFERENCE/DOCKET NUMBER: 24884-109348

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-962-4848

TELEX: 202-962-8300

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 751 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: 335..751

FEATURE:

NAME/KEY: misc_feature

LOCATION: 490..491

OTHER INFORMATION: "note= Splice site"

US-09-201-139-15

alignment_scores:

Quality:	667.50	Length:	138
Ratio:	4.981	Gaps:	1
Percent Similarity:	97.101	Percent Identity:	95.652

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33 rpgluAlaGlyAlaAspProAsnGlyValAsnA9PheGlyArgArala 49

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50 IleGlnValMetMetMetGlySerAlaArgValAlaGluLeuLeuLe 66

485 ATCCAGGTCATGATGAGGAGGAGGAGGAGCTGCGCTGCAC 534

66 uHisGlyAlaGluProAsnCysAlaAspProAlaThrLeuThrArgProv 83

535 CCACGCCGGGAGCCGAGCAGCTGCAGACCTCCTCACCGACGG 584

83 alHisAspAlaAlaArgGluGlyPheLeuAspProAlaValValLeuHis 99

585 TCGATGATGCTGCCGGAGGCTCTGCACTGCAC 634

100 ArgAlaGlyAlaArgLeuAspValArgAspAlaTrpGlyArgLeuPro 116

635 CGGCCGCGGGCGGGCTGGAGCTGGCTGGCTGGCTGGCGCA 734

116 AspLeuAlaGluGlyArgGlyLysArgAspValAlaGlyTyLeuArgT 133

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; Sequence 15, Application US/09120131

PATENT NO. 6,218,146

GENERAL INFORMATION:

APPLICANT: Kamb, Alexander

TITLE OF INVENTION: MTS2 GENE

NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP

STREET: 1201 New York Avenue, Suite 1000

CITY: Washington

STATE: DC

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/120,131

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/486,047

FILING DATE: 07-JUN-1995

APPLICATION NUMBER: PCT/US95/03316

FILING DATE: 17-MAR-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/251,938

FILING DATE: 01-JUN-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/215,087

ALIGNMENT SCORES:
QUALITY: 667.50
RATIO: 4.981
PERCENT SIMILARITY: 97.101
LENGTH: 138
GAPS: 1
IDENTITY: 95.652

ALIGNMENT_BLOCK:
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Align seq 1/1 to: US-09-120-131-15 from: 1 to: 751

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17 YlealAthr...ProLaArgGlyLeuValGlyLysValAthrHissert 33

385 TCGGCCAGCGCCGCGCAGCGGGACTAGTGAGGAGGAGCTGTCGCT 434

33 rpgluAlaGlyAlaAspProAsnGlyValAsnA9PheGlyArgArala 49

435 TCGAAGGCCGGGGATCCACAGGTCACCGTTGGAGCCGGCG 484

50 IleGlnValMetMetMetGlySerAlaArgValAlaGluLeuLeuLe 66

485 ATCCAGGTCATGATGAGGAGGAGGAGCTGCGCTGCAC 534

66 uHisGlyAlaGluProAsnCysAlaAspProAlaThrLeuThrArgProv 83

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Mon Aug 27 09:42:39 2001

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Page 13

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About: Results were produced by the GenCore software, version 4.5,

Copyright (c) 1993-2000 Compugen Ltd.

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; Patent No. 5843756

; GENERAL INFORMATION:

; APPLICANT: Stone, Steven

; APPLICANT: Jiang, Ping

; APPLICANT: Kam, Alexander

; TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF

; NUMBER OF SEQUENCES: 47

; CORRESPONDENCE ADDRESS:

; ADDRESS: Venable, Baetjer, Howard & Civiletti, LLP

; STREET: 1201 New York Avenue, Suite 1000

; CITY: Washington

; STATE: DC

; COUNTRY: USA

; ZIP: 20005

; COMPUTER READABLE FORM:

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/508,735

; FILING DATE:

; CLASSIFICATION: 435

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: US to be assigned

; FILING DATE: 07-JUN-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/US95/03316

; FILING DATE: 17-MAR-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Ihnen, Jeffrey L.

; REGISTRATION NUMBER: 28,957

; REFERENCE DOCKET NUMBER: 24884-109348

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 202-962-8300

; INFORMATION FOR SEQ ID NO: 44:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 507 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

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; ORGANISM: Mus musculus

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; NAME/KEY: misc_feature

; LOCATION:

; OTHER INFORMATION: /note= "Splice site"

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Database length: 9465562

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Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

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Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869A-6

Query length: 125

Database: Issued_Patents_NA:*

Database sequences: 324599

Database length: 9465562

Search time (sec): 111.840000

Search information block:

Query: US-09-016-869

alignment_block: US-09-016-869a-6 x US-09-508-735-44 ..

Align seg 1/1 to: us-09-508-735-44 from: 1 to: 507

1 MetMetMetGlyAsnValHisValAlaAlaLeuLeuLeuLeuAsnTyrGlyAl 17
 |||||MetMetMetGlyAsnValHisValAlaAlaLeuLeuLeuLeuAsnTyrGlyAl 17
 130 ATGATGATGGGAACGTTCAGTAGCTGCCTTCGCTCAACTAGGTGC 179

17 aaspSerAsnCysGlyAspProThrProThrProSerArgProValHisAspa 34
 |||||aaspSerAsnCysGlyAspProThrProThrProSerArgProValHisAspa 34
 180 AGATTGAACTGCGGAGGCCACTACCTTCCTCCCGGTTGCAAGGAGC 229

34 IalaAlaArgGluGlyPheLeuAspThrLeuValLeuLeuLeuLeuAsnTyrGlyAl 50
 |||||IalaAlaArgGluGlyPheLeuAspThrLeuValLeuLeuLeuLeuAsnTyrGlyAl 50
 230 CAGCCGCCGAAGGCTTCTGGACACCTGGTGGTGGTGGTGGTGGTGG 279

51 AlaArgLeuAspValAlaArgAspAlaLeuLeuLeuLeuLeuLeuLeuAspAl 67
 |||||AlaArgLeuAspValAlaArgAspAlaLeuLeuLeuLeuLeuLeuLeuAspAl 67
 280 GCTCGGCCGAGCTCTGGTGCGCTCCGGCTCGCTCGCTCGACTGGC 329

67 aGInGluArgGlyHisGlnAspIleValArgAspTyrLeuArgSerAlaGlyC 84
 |||||aGInGluArgGlyHisGlnAspIleValArgAspTyrLeuArgSerAlaGlyC 84
 330 CCAAGAGGGGACATCAGATCAGCTGGATATTGGTGGTGGGGTGGT 379

84 YsSerLeuCysSerAlaGlyTpserIeuCysThrAlaGlyAsnValAla 100
 |||||YsSerLeuCysSerAlaGlyTpserIeuCysThrAlaGlyAsnValAla 100
 380 GCCTTGTGGTTCGGCTGGGTGCTTGTGACCGCTGGGACCGTGGCC 429

101 GluThrAspGlyAlaSerPheSerSerSerSerSerProArgAlaLeuGlu 117
 |||||GluThrAspGlyAlaSerPheSerSerSerSerSerProArgAlaLeuGlu 117
 430 CAGACCGACGGGCATAGCTCAAGCACGCCAGGGCCTGGACT 479

117 uAaGlyGlyGlnserGlnGluGlnser 125
 |||||uAaGlyGlyGlnserGlnGluGlnser 125

480 TCGGGCCATCCCAAAGCAGAGCAG 504

seq_name: /cgn2-6/ptodata/1/ina/6B_COMB.seq:US-09-201-139-44

seq_documentation_block:

; Sequence 44 Application US/09201139

; Patent No. 6210949

GENERAL INFORMATION:

APPLICANT: Stone, Steven

APPLICANT: Jiang, Ping

APPLICANT: Kamb, Alexander

TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF

NUMBER OF SEQUENCES: 47

CORRESPONDENCE ADDRESS:

ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP

STREET: 1201 New York Avenue, Suite 1000

CITY: Washington

STATE: DC

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/201,139

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/508,735

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/03316

FILING DATE: 17-MAR-1995

ATTORNEY/AGENT INFORMATION:

NAME: Ihnen, Jeffrey L.

REGISTRATION NUMBER: 28,957

REFERENCE/DOCKET NUMBER: 24884-109348

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-962-4848

TELEFAX: 202-622-8300

INFORMATION FOR SEQ ID NO: 44:

SEQUENCE CHARACTERISTICS:

LENGTH: 507 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Mus musculus

FEATURE:

NAME/KEY: misc_feature

LOCATION: 126..127

OTHER INFORMATION: /note= "Splice site"

FEATURE:

NAME/KEY: misc_feature

LOCATION: 467..468

OTHER INFORMATION: /note= "Splice site"

US-09-201-139-44

alignment_scores:

	Quality:	Length:	Gaps:
Percent Similarity:	5.264	125	0
Percent Identity:	100.000	100.000	0

alignment_block:

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 |||||MetMetMetGlyAsnValHisValAlaAlaLeuLeuLeuAsnTyrGlyAl 17
 130 ATGATGATGGGAACCTTCAGTAGCTGCCTTCGCTCAACTAGGTGC 179

17 aaspSerAsnCysGlyAspProThrProThrProSerArgProValHisAspa 34
 |||||aaspSerAsnCysGlyAspProThrProThrProSerArgProValHisAspa 34
 180 AGATTGAACTGCGGAGGCCACTACCTTCCTCCCGGTTGCAAGGAGC 229

34 IalaAlaArgGluGlyPheLeuAspThrLeuValLeuLeuLeuLeuAsnTyrGlyAl 50
 |||||IalaAlaArgGluGlyPheLeuAspThrLeuValLeuLeuLeuLeuAsnTyrGlyAl 50
 230 CAGCCGCCGAAGGCTCTGGACACCGCTGGTGCTGACGGTGG 279

51 AlaArgLeuAspValAlaArgAspAlaLeuLeuLeuLeuLeuLeuLeuAspAl 67
 |||||AlaArgLeuAspValAlaArgAspAlaLeuLeuLeuLeuLeuLeuLeuAspAl 67
 280 GCTCGGCCGAGCTCTGGTGCGCTCCGGCTCGCTCGACTGGC 329

67 aGInGluArgGlyHisGlnAspIleValArgAspTyrLeuArgSerAlaGlyC 84
 |||||aGInGluArgGlyHisGlnAspIleValArgAspTyrLeuArgSerAlaGlyC 84
 330 CCAAGAGGGGACATCAGATCAGCTGGATATTGGCTGGGGTGG 379

84 YsSerLeuCysSerAlaGlyTpserIeuCysThrAlaGlyAsnValAla 100
 |||||YsSerLeuCysSerAlaGlyTpserIeuCysThrAlaGlyAsnValAla 100
 380 GCCTTGTGGTTCGGCTGGGTGCTTGTGACCGCTGGGACCGTGGCC 429

101 GluThrAspGlyAlaSerPheSerSerSerSerSerProArgAlaLeuGlu 117
 |||||GluThrAspGlyAlaSerPheSerSerSerSerSerProArgAlaLeuGlu 117
 430 CAGACCGACGGGCATAGCTCAAGCACGCCAGGGCCCTGGACT 479

117 uAaGlyGlyGlnserGlnGluGlnser 125
 |||||uAaGlyGlyGlnserGlnGluGlnser 125

480 TCGGGCCATCCCAAAGCAGAGCAG 504

seq_name: /cgn2-6/ptodata/1/ina/5A_COMB.seq:US-08-534-975-1

seq_documentation_block:

; Sequence 1 Application US/08534975

; Patent No. 573313

GENERAL INFORMATION:

APPLICANT: Sherr, Charles, J.

TITLE OF INVENTION: ARF-P19, A NO. 5723313el Regulator of the Mammalian Cell

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

NAME: Stern, Kessler, Goldstein & Fox P. L. L. C.

STREET: 1100 New York Avenue Suite 600

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/534,975

FILING DATE: 28-SEP-1995

CLASSIFICATION: 800

ATTORNEY/AGENT INFORMATION:

NAME: FOX, Samuel, L.

REGISTRATION NUMBER: 30,353

REFERENCE/DOCKET NUMBER: 0556.0590000

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-371-2600

TELEFAX: 202-371-2540

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 713 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: unknown

MOLECULE TYPE: DNA (genomic)

FEATURE:

NAME/KEY: CDS

LOCATION: 43..551

US-08-534-975-1

alignment_scores:

Quality: 658.00 Length: 125

Ratio: 5.264 Gaps: 0

Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:

US-09-016-869A-6 x US-08-534-975-1 ..

Align seg 1/1 to: US-08-534-975-1 from: 1 to: 713

1 MetMetMetGlyAsnValHisValAlaAlaLeuLeuLeuAsnTyrglyAl 17

236 ATGTGATGGCCAGTCACGTCAGCTCTGTCACACTGGTGC 285

17 aAspSerAsnCysGluAspProThrPheSerArgProValHisAspA 34

286 AGATTCGAATGCCGAGCCCCCTACCTTCRCCGCCGCGAGACAG 335

34 1aAlaArgGluGlyPheLeuAspThrIeuValIeuHisGlySerGly 50

336 CAGGGCGGGAAAGGCTTCCCTGGACACGGCTGGGGCTGACGGCAGGG 385

51 AlaaArgLeuAspAlaAspAlaArgIeuGlyLeuProLeuAspIeuAl 67

386 GCTGGCTGGATGTCGGATGTCGCTGGCTGCCTGCGCTGCGATGGC 435

67 aglgluArgGlyIeuGlyIeuAspIeuLeuArgIeuArgSerAlaGlyC 84

alignment_scores:

Quality: 658.00 Length: 125

Ratio: 5.264 Gaps: 0

Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:

seq_name: /cgn2_6/ptodata/1/ina/5B_COMB.seq:US-08-954-470-1

seq_documentation_block:

; Sequence 1, Application US/08954470

; Patent No. 5876965

; GENERAL INFORMATION:

; APPLICANT: Sherr, Charles, J.

; TITLE OF INVENTION: ARF-P19, A NO. 5876965el Regulator of the

; NUMBER OF SEQUENCES: 12

; CORRESPONDENCE ADDRESS:

; NAME: Stern, Kessler, Goldstein & Fox P. L. L. C.

; STREET: 1100 New York Avenue Suite 600

; CITY: Washington

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20005

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/954,470

; FILING DATE:

; CLASSIFICATION: 435

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: 08/534,975

; FILING DATE: 28-SEP-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: FOX, Samuel, L.

; REGISTRATION NUMBER: 30,353

; REFERENCE/DOCKET NUMBER: 0556.0590000

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 202-371-2600

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 713 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: unknown

; MOLECULE TYPE: DNA (genomic)

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 43..551

; US-08-954-470-1

alignment_scores:

Quality: 658.00 Length: 125

Ratio: 5.264 Gaps: 0

Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:

101 GlntRaspGlyRisSerPheSerSerThrProArgAlaLeuGlue 117

536 CAGACCGACGGGCATAGCTCAAGCACGCCAGGCCCTGGACT 585

117 uATGIVGIVlnSerGlnGluGlnSer 125

586 TGGGGCCAAATCCCAGAGCACAG 610

436 CCAGAGGGGACATCAAGACATCGCATATTGCGTTCCCTGGGT 485

84 YsSerIlecySerAlaGlyRysSerIlecySysthAlaGlyAspValAla 100

486 GCTCTTGTTGTTGGCTCGCCTGGTGTGTCAGCTCAAGCACGCCAGGCCCTGGACT 535

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Align seq 1/1 to: US-08-954-470-1 from: 1 to: 713

1 MetMetMetGlyAsnValHisValAlaAlaLeuLeuLeuAsnTyroGlyAl 17
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17 aspSerAsnCysGluAspProThrThrPheSerArgProValHisAspa 34
 336 CAGCCGGAAAGCTCTCTGGACAGCTGGTGTGTCACGGTCAAGGG 385

51 AlaArgLeuAspValAlaArgAspAlaArgLysGlyArgLeuProLeuAspLeuAl 67
 386 GCTCGGCCAGGATGCGCGATGCGCTGGCTCGCTCGCGTCGACTGGC 435

67 asInGLuArgGlyHisGlnAspIleValArgTyrLeuArgSerAlaGlyC 84
 436 CCAAGAGGGGACATCAAGACATCGGATTCGTTCCGCTGGGT 485

84 YsserLeuCysserAlaGlyLysGlyPhelLeuAspThrLeuValAla 100
 486 GCTCTTGTTGTCGGCTGGTGTCTTGACCGTGGACGGTGC 535

101 GinThrAspGlyHisSerPheSerSerSerSerThrProArgAlaLeuGluLe 117
 536 CAGACCGAGGGCATAGCTCAGCTCAGCACGCCAGGCCAGGCTGGAACT 585

117 uArgGlyGlnSerGlnGluGlnSer 125
 586 TCGCGGCCATCCCAAGAGCAGAGC 610

seq_name: /cgn2_6/ptodata/1/ina/6A_COMB.seq;US-09-129-855A-1

seq_documentation_block:

; Sequence 1, Application US/09129855A

; Patent No. 6046032

; GENERAL INFORMATION:

; APPLICANT: Sher, Charles, J.

; APPLICANT: Quelle, Dawn, E.

; TITLE OF INVENTION: ARF-P19, A NO. 6046032el Regulator of the Mammalian Cell Cycle

; NUMBER OF SEQUENCES: 12

; CORRESPONDENCE ADDRESS:

ADRESSE: Sterne, Kessler, Goldstein & Fox
 STREET: 1100 New York Avenue Suite 600
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20005

COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/129, 855A
 FILING DATE:
 CLASSIFICATION: 435
 PRTOR APPLICATION DATA:
 APPLICATION NUMBER: 08/954, 470
 FILING DATE: 20-OCT-1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/534, 975
 FILING DATE: 27-SEP-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Jackson Eng., David A.
 REGISTRATION NUMBER: 26,742
 REFERENCE/DOCKET NUMBER: 1340-1-023 CIP

alignment_scores:

	Quality:	Length:
Percent Similarity: 100.000	Ratio: 5.264	Gaps: 0
		Percent Identity: 100.000

alignment_block:

US-09-016-869a-6 x US-09-129-855A-1 ..

Align seq 1/1 to: US-09-129-855A-1 from: 1 to: 713

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 236 ATGATGATGGCAACGTCAGTAGCTGCCTCTCAACTACGGTGC 285

17 aspSerAsnCysGluAspProThrThrPheSerArgProValHisAspa 34
 336 CAGCCGGAAAGCTCTCTGGACAGCTGGTGTGTCACGGTCAAGGG 385

51 AlaArgLeuAspValAlaArgAspAlaArgLysGlyArgLeuProLeuAspLeuAl 67
 386 GCTCGGTGGAATGCGCGATCCGGGTGGCTCGCGTCGACTGGC 435

34 LaLaArgLysGlyPhelLeuAspThrLeuValAla 100
 336 CAGCCGGAAAGCTCTCTGGACAGCTGGTGTGTCACGGTCAAGGG 385

51 AlaArgLeuAspValAlaArgAspAlaArgLysGlyArgLeuProLeuAspLeuAl 67
 386 CAGACCGAGGGCATAGCTCAGCTCAGCACGCCAGGCCAGGCTGGAACT 585

84 YsserLeuCysserAlaGlyLysGlyPhelLeuAspThrLeuValAla 100
 486 GCTCTTGTTGTCGGCTGGTGTCTTGACCGTGGACGGTGC 535

101 GinThrAspGlyHisSerPheSerSerSerSerThrProArgAlaLeuGluLe 117
 536 CAGACCGAGGGCATAGCTCAGCTCAGCACGCCAGGCCAGGCTGGAACT 585

117 uArgGlyGlnSerGlnGluGlnSer 125
 586 TCGCGGCCATCCCAAGAGCAGAGC 610

seq_name: /cgn2_6/ptodata/1/ina/6B_COMB.seq;US-09-247-154-1

seq_documentation_block:

; Sequence 1, Application US/09247154

; Patent No. 6172194

; GENERAL INFORMATION:

; APPLICANT: Sher, Charles, J.

; APPLICANT: Quelle, Dawn, E.

; TITLE OF INVENTION: ARF-P19, A NO. 6172194el Regulator of the Mammalian Cell Cycle

; NUMBER OF SEQUENCES: 12

; CORRESPONDENCE ADDRESS:

TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
 TITLE OF INVENTION: Related Thereto
 NUMBER OF SEQUENCES: 39

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Foley, Hoag & Eliot
 STREET: One Post Office Square

CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02109

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WordPad

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/581,918A.
 FILING DATE: 02-JAN-1996
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/497,214
 FILING DATE: 30-JUN-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/346,147
 FILING DATE: 29-NOV-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/306,511
 FILING DATE: 14-SEP-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/248,812
 FILING DATE: 25-MAY-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/227,371
 FILING DATE: 14-APR-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/154,915
 FILING DATE: 18-NOV-1993
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/991,997
 FILING DATE: 17-DEC-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Vincent, Matthew P.
 REGISTRATION NUMBER: 36,709
 REFERENCE/DOCKET NUMBER: MIV-071.06
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 832-1299
 TELEFAX: (617) 832-7000
 INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:
 LENGTH: 853 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 213..587
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 alignment_scores:
 ; quality: 658.00 length: 125
 ; ratio: 5.264 gaps: 0
 Percent Similarity: 100.000 Percent Identity: 100.000
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 US-09-016-869A-6 x US-08-581-918A-5 ..
 Align seg 1/1 to: US-08-581-918A-5 from: 1 to: 853
 1 MetMetMetGlyAspValHisvalAlaAlaLeuLeuLeuAsnTyrglyAl 17
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 seq_documentation_block:
 ; Sequence 5, Application US/08346147B
 ; Patent No. 621134
 ; GENERAL INFORMATION:
 ; APPLICANT: Beach, David H.
 ; APPLICANT: Demetrick, Douglas J.
 ; APPLICANT: Serrano, Manuel
 ; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and Uses
 ; TITLE OF INVENTION: Related Thereto
 ; NUMBER OF SEQUENCES: 47
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Foley, Hoag & Eliot
 ; STREET: One Post Office Square
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02109
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: WordPad
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/346,147B
 ; FILING DATE: 29-NOV-1994
 ; CLASSIFICATION: 514
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/306,511
 ; FILING DATE: 14-SEP-1994
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/248,812
 ; FILING DATE: 25-MAY-1994
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/227,371
 ; FILING DATE: 14-APR-1994
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/154,915
 ; FILING DATE: 18-NOV-1993
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/991,997
 ; FILING DATE: 17-DEC-1992

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seq_documentation.block:
; Sequence 5, Application PC/US9504636
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Cell-Cycle Regulatory Proteins, and uses
; NUMBER OF SEQUENCES: 10
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/04636
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/346,147
; FILING DATE: 29-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/306,511
; FILING DATE: 14-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/248,812
; FILING DATE: 25-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/227,371
; FILING DATE: 14-APR-1994
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 853 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 213..587
; PCT-US95-04636-5

alignment_scores:
; Quality: 658.00 Length: 125
; Ratio: 5.264 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:
; US-09-016-869A-6 x PCT-US95-04636-5 ..

Align seq 1/1 to: PCT-US95-04636-5 from: 1 to: 853

1 MetMetMetGlyIysnValHisAlaAlaLeuLeuLeuAsnTyrgIyl 17
1 ATGATGATGGCACGTCACTAGCAGCTCTCTGTCACAATCGGTGC 262
17 AspSerIasnCysGluAspProThrPheSerArgProValHISASP 34
263 AGATTCGAATCTGGAGGCCCACTACTTCCGCCGCGGAGCAGG 312
34 laAlaArgGluglyPheLeuAspThrLeuValValLeuHisGlySerGly 50
313 CACGGCGGGAAAGCTTCTGGCACGCTGGTGTGCGACGGGTCAGGG 362
51 AlaArgLeuAspValArgAspAlaTrpGlyArgLeuProLeuAspLeuAl 67

seq_name: /cgn2_6/podata/1/ina/5B_COMB.seq: US-0B-627-610-5
seq_documentation.block:
; Sequence 5, Application US/08627610
; GENERAL INFORMATION:
; PATENT NO. 591997
; APPLICANT: Beach, David H.
; APPLICANT: Serrano, Manuel
; APPLICANT: Depicho, Ronald A.
; TITLE OF INVENTION: Regulation
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COOKFIELD
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/627,610
; FILING DATE: 04-APR-1996
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: CSI-001CP6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 857 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 82..582

alignment_scores:
; Quality: 658.00 Length: 125
; Ratio: 5.264 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:

APPLICATION NUMBER: US 08/215,086
FILING DATE: 18-MAR-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348-E
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 395 base pairs
TYPE: nucleic acid
STRANEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-474-177-25

seq_name: /cgn2_6/podata/1/ina/5A_COMB.seq:US-08-474-177-25

seq_documentation.block;
; Sequence 25, Application US/08474177
; Patent No. 5624819
; GENERAL INFORMATION:
; APPLICANT: Skolnick, Mark H.
; APPLICANT: Cannon-Albright, Lisa A.
; APPLICANT: Kamb, Alexander
; TITLE: GERMINE MUTATIONS IN THE MTS GENE
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Verable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/474,177
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/03537
; FILING DATE: 17-MAR-1995
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/251,938
; FILING DATE: 01-JUN-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/215,087
; FILING DATE: 18-MAR-1994
; PRIORITY APPLICATION DATA:

seq_name: /cgn2_6/podata/1/ina/5A_COMB.seq:US-08-474-177-25

seq_documentation.block;
; Sequence 25, Application US/08487033
; Patent No. 5739027
; GENERAL INFORMATION:
; APPLICANT: Kamb, Alexander
; TITLE: MISIEI-Beta GENE
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Verable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, Suite 1000

CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/487, 033
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: - 435

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/03316
 FILING DATE: 17-MAR-1995

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/215, 938
 FILING DATE: 01-JUN-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/215, 087
 FILING DATE: 18-MAR-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/215, 938
 FILING DATE: 01-JUN-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 18-MAR-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/227, 369
 FILING DATE: 14-APR-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/214, 582
 FILING DATE: 18-MAR-1994

ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28,957
 REFERENCE/DOCKET NUMBER: 24884-109348-C

TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-8810
 TELEFAX: 202-962-8300

INFORMATION FOR SEQ ID NO: 25:

SEQUENCE CHARACTERISTICS:
 LENGTH: 395 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO

US-08-487-033-25

alignment_scores:
 Quality: 445.00 Length: 85
 Ratio: 5.235 Gaps: 0
 Percent Similarity: 100.000 Percent Identity: 98.824

alignment_block:
 US-09-016-869A-6 x US-08-487-033-25

Align seg 1/1 to: US-08-487-033-25 from: 1 to: 395

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 17 aspSerAsnCysGluAspProThrThrPheSerArgProValHisAspA 34
 190 AGATTCGAACTGGAGGAGCCCACTACCTCTCCGCCGGGCGACGACG 239
 34 IaAlaArgLgluLgypheLeuAspThrLeuValValLeuHisGlySerGly 50
 240 CAGCGGCCGAGGCTCTGCTGACGCGCTGGCAGGGTCAGGG 289
 51 AlaLargLeuAspValLargAspAlaTrpGlyArgLeuProLeuAspLeuAl 67

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 290 GCTCGGCTGGATGCCGCGAGGCCGGGTRGCCCTCCGCTCGACTCGC 339
 67 aGlnGluArgGlyHisGlnAspThrValArgTyrLeuArgSerAlaGlyC 84
 340 CCAGAGCGGGACATCAGACATCCGCGCGATAATTGCGGTTCCCTGGGT 389
 84 YSSer 85
 390 CCTCT 394

Mon Aug 27 09:42:46 2001

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